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<120> 47 Human Secreted Proteins

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<141> 2000-06-09

<150> PCT/US99/29950

<151> 1999-12-16

<150> 60/113,006

<151> 1998-12-18

<150> 60/112,809

<151> 1998-12-17

<160> 231

<170> PatentIn Ver. 2.0

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<212> DNA
<213> Homo sapiens

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 <212> DNA  
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&lt;211&gt; 2657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

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<211> 2495
<212> DNA
<213> Homo sapie
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annc						3244

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&lt;211&gt; 1362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

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&lt;211&gt; 1381

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 27

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<213> *Homo sapiens*

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<213> Homo sapiens

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<211> 1262
<212> DNA
<213> Homo sapiens
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 <212> DNA  
 <213> Homo sapiens

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tcat	tctt	tctt	gtc	tttt	ccat	tttc	ccgg	gg	t	tc	tcacagat	240
tctgg	gatt	gaag	cctt	ca	gt	ctgt	gt	cc	tt	tc	gtctgc	300
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ttgg	aca	ca	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttgttgc	660
gaag	atc	gt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttgttgc	720
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ac	ctt	gg	aa	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttgttgc	1020
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aa	at	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttgttgc	1380
atc	ag	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttgttgc	1440
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 <212> DNA  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (1105)  
 <223> n equals a,t,g, or c

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aagaaatgtt taaaaggcta catacacaagct tttccaggtc tctactatct gktaactaac	660
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&lt;210&gt; 34

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 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (867)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 34

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<211> 1853
<212> DNA
<213> Homo sapien
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<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1851)  
<223> n equals a,t,g, or c

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ataaaaacaca tcacttaaac attttatgtg tcaaataaaa tttgattatg taaaaaaaaa	1800
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<210> 37  
<211> 985  
<212> DNA  
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ctccttaaaa aaaaaaaaaa aaaaa 985

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<211> 719  
<212> DNA  
<213> Homo sapiens

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<210> 39  
<211> 1269  
<212> DNA  
<213> Homo sapiens

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<211> 2528  
<212> DNA  
<213> Homo sapiens

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&lt;211&gt; 1605

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 42

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&lt;211&gt; 2460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 43

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<212> DNA

<213> *Homo sapiens*

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&lt;211&gt; 3337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 51

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&lt;211&gt; 1947

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 52

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&lt;210&gt; 53

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (678)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (681)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (709)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (732)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 53

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<222> (1128)

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<220>

<221> SITE

<222> (1147)

<223> n equals a,t,g, or c

<400> 54

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atcatgttaa tagatgttta agaataatgg aactggagct gtactgagcc aaggatggaa	180
atgaagacat gtgagactat tttttcttca tccacccata ctcttcagttt acaaggattt	240
aattttaaag ggttttaattt aaatggaaatc cagaagctttt ggacgctcca gtttttcttc	300
tttagagacaa acccttagtc agtttcctgg agcttgcactt agaaatgcgc atggacttcc	360
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cagggcttgc tgacattttgc acctttatgtt caaaagatggc cgatccgattt attttttccatc	480
atataattaca gaaaataacta ctcttgaaaaa atactctgag aaatatgttc tatggtaga	540
taagtttggg aaacagtgaa ttatgttcc tcctttgcag aatcacaatgg cactgttagc	600
taattaaaga ctctcagatg tccccactggaa aagaatcatg tttagcttttgc ttaacccatg	660
cattttccaa acttatttgc gcataaaaaact ttgtttttgt ttttttttta ataaagatagg	720
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ctcccttccaa aaaaaaaaaa aaaaacttgcgaa gatgtactttt agagcggncg ngggccccatc	1140
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<210> 55

<211> 1866

<212> DNA

<213> Homo sapiens

&lt;400&gt; 55

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cttagctgt ccccgcccc	
tgcaatgtcc atgttccagg agccttgata	180
ggtaagatg aggccta atccgtgtgt	
ccgccttgc tggccttcc ttttcattct	240
gttttagactg ctaccattt tgatcagcca	300
accaggctgt aacagtttt aatatttt	
aatgtcaccc ctggcattt ccaaagtttt	360
ctttagggat accggattca	
caagattgtc ataaaacaaa gaaaaataag	420
cttgcacaa gatgaatcat	
ctagctctg agaagtccctg	480
caagaaagat tttgtttaac tcaatata	
ccaaagtat tgaatcacat	540
atgaaaagtc ctcccttaccc ttctccctt	
ttcagttca agaaatactg tacctactac	600
catgctgtgg aactagtgtc	
tggaaacat catctcgaa	660
aggaaatggc cttctactaa	
ccacattgtt ctgtgtctga	720
aagttccat cttctctatag	
acaaagatgc tgatgaagat	780
ggctttaaaa ggaacattt gaaagtggcc	
atatttggta aacagatgg	840
tttatattgtaa atggcata	
gctcagtttc ttcatctgga	900
agacaggaaa agcgttacat	
ctttgcagg attgtgtga	960
ggattctaga gttaaaagat	
gtaaaatgtt ttatcacat	1020
gttgcacaa gaccc tcaagaagag	
tttagctgtt gcatccagta	1080
ttacaggaac cctgaggacc	
atacaagggtg accttaaggc	1140
tacctgtct catggacatc	
acagtctgtt tagacagaca	1200
acatagacat gtggaaactat	
agccaccatc gaagaaaaga	1260
ctaaactgag gctggagaa	
aacaatggca ttggatgg	1320
tggaaatgc ttcataaaat	
tggtgtgatt ggttgagcc	1380
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gaactaggcc	1500
gaagtagttagt ttttaatgg	
ctacggaaattt tagtttggg	1560
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aaacttctgg agatggatga	1620
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atgtgtca tttatgtca	1680
ctcaatttgc ttctaaaaat	
tgtttaaaaat gatcaatttt	1740
ctgaaatgtt ctataccaca	
gtttaaaaaa attaaataat aattaccc	1800
ttatcaaaaag gggctaattt	
ttcactccat acaaatttat	1860
atatttggtt taagactaca	
tctccagaa catgctgttc	1920
ccttttcagc ttaggtgttc	
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ttcttcttgc ttaccagcc	
aaggctccag atggatttc	2040
agtcaactcag ccaaacaat	
tcattgcagt cttttcccc	2100
ttctccccc gttcaactaa	
aaataaattt ttttttgc	2160
taactccaga cagaacatga	
agcaactctt ctctctctt	2220
tttacgctgc	
cactgaattc taagtacaca	2280
attatgcagg	
gaatgtctt agattcaca	2340
gcttgagaac tttaaacat	
taagctgtt atcagataac	2400
agctttcatac tcaagaacag	
cttgcactg tacctaagta	2460
aaagcttaac ttatataaa	
aaaaaaaa	1866

&lt;210&gt; 56

&lt;211&gt; 1028

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1022)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1026)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1027)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1028)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 56

gggaaccaaa	gctggagctc	caccgcggtg	gcggccgctc	tagaactagt	ggatcccccgg	60
ggctgcagga	attcggcacg	aggtggactg	gattagctgc	ggaggccctg	gaagctgcct	120
gtcttctcc	ctgtgcttaa	ccagagggtc	ccatgggtt	gacaatgagg	ctggcacag	180
cagcactgtt	actgggtctc	atgatggtgg	tcactggaga	cgaggatgag	aacagcccg	240
gtgcccattg	ggccctcttg	gacgaggaca	ccctctttt	ccagggctt	gaagttttct	300
acccagagtt	ggggAACATT	ggctcaagg	ttgttctctg	ttgtAACAC	tacagacaga	360
agatcacctc	ctgatggag	ccgatagtc	agttcccccgg	ggccgtggac	ggcgcaaccc	420
atatctgg	gatgggtggat	ccagatccc	ctagcagac	agaacccaga	cagagattct	480
ggagacattg	gctggtaaca	gatataagg	gcgcgcac	gaagraaggg	aagattcagg	540
gccaggagtt	atcagctac	caggctccct	ccccacccgc	acacagtggc	ttccatcgct	600
accaggctt	tgcttatctt	caggaaggaa	aagtcatctc	tctcccttccc	aaggaaaaaca	660
aaactcgagg	ctttggaaa	atggacat	ttctgaaccg	tttccac	ggcgAACCTG	720
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gagaaaggc	cagcgagccc	aaqcacaaaa	accaggcgg	gatagctg	tgcttagata	840
ccggcttgc	catccggca	tgtggccaca	ctgcycacca	ccgacatgt	gggtatggaa	900
ccccctctgg	atacagaacc	ccttctttt	caaataaaaa	aaaaatcatc	cagaaaaaaa	960
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
ananaannn						1028

<210> 57  
 <211> 1854  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (57)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1844)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1853)  
 <223> n equals a,t,g, or c

<400> 57						
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gcacgtccag	ggacagactg	gaatgtatgt	catttgggt	tttggggag	ggctcccacg	120
aggccatctt	cctttcttgc	gmccttcttg	gcctgaccca	ttctgtgggg	aaaccgggt	180
cccatggagc	ctcagaaatg	ccacccggct	ggttggcatg	gcctggggca	ggaggcagag	240
gcaggagacc	aaagatggcag	gtggaggcga	ggcttaccac	aacgaaagag	acctcccgct	300
ggggccgggc	aggcctggct	cagctgccc	aggcatatgg	tggagagggg	gttacccctgc	360
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gaggccatg	gacgcgacag	gcctgtggcc	ctgcgcac	tgaaataact	gaaacccag	840
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gaaggacaaa	ctgtccaggt	cggagggtac	acgagacaca	gaaacctggag	gggtgtgcac	960
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ttcccccggaa	gtgagttaaa	aacaataaaa	gccccttctt	gagttaaaaa	gaaaaaaaaa	1800
aaaaaaaaaa	aaccgggggg	ggggccccgg	accaaattcg	ccnnaaagggg	ggnc	1854

<210> 58  
<211> 1349  
<212> DNA  
<213> *Homo sapi*

<210> 59  
<211> 1072  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> SITE  
<222> (374)  
<223> n equals a.t.q. or c

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ggacttctat	aacccctgg	tggctgargc	ccaaaagcgg	gagctggggg	cctccctcta	540
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tgecatctct	cggggggccct	ctgagtaacc	taccaagaat	taegtctgac	gtggagggga	720
atggggctc	cgtggcgct	agagccatcc	agaagtggca	gtgcccaca	gctttgggat	780
gggttctgac	ctttttttc	tgccctctgc	tatttttctt	ttgactgagg	atatttaaaa	840
ttcattttgaa	aactgagcca	aggtgttgac	ttagactctc	acttaggtct	tgcttttct	900
cacccttggaa	tgtggagcc	aaagagggga	tgctttgaga	ttctggatct	tgacatgccc	960
atcttagaag	ccagtcaagc	tatggaacta	atgcggaggc	tgcttgctgt	gctgggtttg	1020
caacaagaca	gactgtcccc	aagagttct	gctgctgctg	ggggctgggc	tt	1072

<210> 60  
 <211> 2508  
 <212> DNA  
 <213> Homo sapiens

<400> 60						
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tcatccccc	ctcgaacccc	accaggccca	gcccccccc	cgtgtgccag	gggaggcccc	180
tcggcccccac	gtcatgtgt	cgtgtgggag	cgagcacctc	caccaagccg	atctccctcg	240
gtccccaaagat	cacgtcgcc	agtctctgc	ggactgcac	ccccagccac	cccatcaggc	300
tttgaggagg	ggccgcgcctc	atcccaatac	ccctggct	tctgtgtgggg	tcccacccgt	360
tctcgagagg	atggagggg	ccccaaactct	gccaatccg	gattttctga	ctatggttt	420
gcagggccctc	atgggtctgc	aacccacac	cccaactcg	actccatcg	aggtgtatgg	480
gatgggttta	tccttggaga	ggcacctg	accctgcgt	cattcctgtt	cgggggccgt	540
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cggcgtggag	tcactgtgt	ggggggcttc	ggggactcac	ctaccccccac	ccctgaccat	780
gatgagcccc	gagggggacc	ccggcctgg	atgcccacc	ccaagggggc	tccagcctc	840
cagttgaacc	ggtgagggca	ggggcaatgg	gatgggaggg	caaagaggg	aggcaactta	900
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gtattatctc	tttttttttc	ttgtgtgtat	catcttgaat	tactgtggga	tgtaagttc	2460

aaaattttca aataaaagcct ttgcagaata aaaaaaaaaa aaaaaaaaa 2508

<210> 61  
<211> 952  
<212> DNA  
<213> Homo sapiens

<400> 61  
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tcactggaga cgaggatgag aacagccctg gtgcccattga ggcctcttgc gacgaggaca 180  
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aagtccccgg gggccgtggca cggcgcaccataataccctg gtgtatggatccatccatgc 360  
cccttagcaga gcaaaaaaccataa gacagagatt ctggagacat tggatggtaa cagatataaa 420  
ggggccgcac ctgaagaaag ggaagattca gggccaggat ttatcagccctt accaggctcc 480  
ctcccccacccgc acacacatgtt gcttccatcg ctaccatgc ttgttcttgc tttagaaagg 540  
aaaagtcatc tcttccttc ccaaggaaaaaaa caaaactcgtt ggccttggaa aatggacag 600  
attttcgaatc cgtttccacc tggcgaacc tgaagcagccatccatgc tttagaaagg 660  
ctaccaggac tcaccaaccc tccaggctcc cagagaaaaagg gccagcgcgac ccaagcaca 720  
aaaccaggcg gagatagctg cctgcttagat agccggctt gccatccggg catgtggcca 780  
caactccac caccgacatgtt gttttatgg aaccctcttggatccatgc ccccttcttgc 840  
tccaaataaaa aaaaaaaaaatca tccacccaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa 900  
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aa 952

<210> 62  
<211> 206  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (143)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 62  
Met Ala Ser His Gly Leu Cys Pro Cys Leu Leu Met Gly Thr Gly Trp  
1 5 10 15

Gly Leu Trp Thr Leu Leu Pro Asp Leu Glu Val Met Ala Gly Lys Gly  
20 25 30

Arg Met Pro Phe Ala Gly Ile Ser Val Thr Ser Gly Phe Leu Arg Ser  
35 40 45

Leu Lys Arg Ala Pro Leu Pro His Thr Gly Ser Pro Asp Pro Arg Pro  
50 55 60

Ser Gly Ile Trp Ser Gly Val Arg Thr Thr Ser Gly Glu Ala Gly Ala  
65 70 75 80

Thr Ser Thr Gln Ile Ser Thr Ala Ala Pro Arg Phe His Ser Arg Arg  
85 90 95

Lys Gly Pro Lys Arg Asn Leu Ala Pro Gln Leu Arg Val Leu Val His  
100 105 110

Arg Thr Val Pro Pro Gly Gln Leu Val Tyr Ala Pro Gln Thr Val Asp  
115 120 125

Ser Leu Arg Gly Thr Leu Leu Arg Pro Pro Ala Trp Leu Leu Xaa Gln  
 130 135 140

Val Pro Cys Phe Tyr Ser Gly Gln Pro Leu Leu Val Ser Ala Ser Val  
 145 150 155 160

Leu Cys Arg Asp Leu Met Gln Phe Leu Phe Leu Leu Lys Ser Tyr Leu  
 165 170 175

Leu Pro Phe Leu Glu Val Cys Arg Ile Gly Trp Glu Gln Ile Gln Arg  
 180 185 190

Ile Leu Gly Ala Gly Leu Trp Arg Gln Lys Glu Gly Asn Gly  
 195 200 205

<210> 63  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens

<400> 63  
 Met Thr Trp Trp Tyr Arg Trp Leu Cys Arg Leu Ser Gly Val Leu Gly  
 1 5 10 15

Ala Val Ser Cys Ala Ile Ser Gly Leu Phe Asn Cys Ile Thr Ile His  
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Pro Leu Asn Ile Ala Ala Gly Val Trp Met Met Met Ala Val Val Pro  
 35 40 45

Ile Val Ile Ser Leu Thr Leu Thr Thr Leu Leu Gly Asn Ala Ile Ala  
 50 55 60

Phe Ala Thr Gly Val Leu Tyr Gly Leu Ser Ala Leu Gly Lys Lys Gly  
 65 70 75 80

Asp Ala Ile Ser Tyr Ala Arg Ile Gln Gln Gln Arg Gln Gln Ala Asp  
 85 90 95

Glu Glu Lys Leu Ala Glu Thr Leu Glu Gly Glu Leu  
 100 105

<210> 64  
 <211> 286  
 <212> PRT  
 <213> Homo sapiens

<400> 64  
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 1 5 10 15

Ser Ala Ala Leu Leu Ala Ala Glu Leu Lys Ser Lys Ser Cys Ser Glu  
 20 25 30

Val Arg Arg Leu Tyr Val Ser Lys Gly Phe Asn Lys Asn Asp Ala Pro  
 35 40 45

Leu His Glu Ile Asn Gly Asp His Leu Lys Ile Cys Pro Gln Gly Ser

50

55

60

Thr Cys Cys Ser Gln Glu Met Glu Glu Lys Tyr Ser Leu Gln Ser Lys  
 65 70 75 80

Asp Asp Phe Lys Ser Val Val Ser Glu Gln Cys Asn His Leu Gln Ala  
 85 90 95

Val Phe Ala Ser Arg Tyr Lys Lys Ser Asp Glu Phe Phe Lys Glu Leu  
 100 105 110

Leu Glu Asn Ala Glu Lys Ser Leu Asn Asp Met Phe Val Lys Thr Tyr  
 115 120 125

Gly His Leu Tyr Met Gln Asn Phe Glu Leu Phe Lys Asp Leu Phe Val  
 130 135 140

Glu Leu Lys Arg Tyr Tyr Val Val Gly Asn Val Asn Leu Glu Glu Met  
 145 150 155 160

Leu Asn Asp Phe Trp Ala Arg Leu Leu Glu Arg Met Phe Arg Leu Val  
 165 170 175

Asn Ser Gln Tyr His Phe Thr Asp Glu Tyr Leu Glu Cys Val Ser Lys  
 180 185 190

Tyr Thr Glu Gln Leu Lys Pro Phe Gly Asp Val Pro Arg Lys Leu Lys  
 195 200 205

Leu Gln Val Thr Arg Ala Phe Val Ala Ala Arg Thr Phe Ala Gln Gly  
 210 215 220

Leu Ala Val Ala Gly Asp Val Arg Glu Gln Gly Leu Arg Gly Lys Pro  
 225 230 235 240

His Ser Pro Val Tyr Pro Cys Pro Val Glu Asp Asp Leu Leu Pro  
 245 250 255

Leu Pro Gly Ser Arg Asp Cys Glu Ala Met Leu Gln Leu Leu Leu Lys  
 260 265 270

His His Glu Arg Leu Phe Gly Gln Pro Arg Gly Ser Arg Phe  
 275 280 285

<210> 65

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 65

Met Leu Leu Gln Leu Leu His Val Phe Trp Ser Cys Leu Ile Leu Arg  
 1 5 10 15

Met Leu Tyr Ser Phe Met Lys Lys Gly Gln Met Glu Lys Asp Ile Arg  
 20 25 30

Ser Asp Val Glu Glu Ser Asp Ser Ser Glu Glu Xaa Ala Ala Ala Gln  
 35 40 45

Glu Pro Leu Gln Leu Lys Asn Gly Xaa Ala Gly Gly Pro Arg Pro Ala  
 50 55 60

Pro Thr Asp Gly Pro Arg Ser Arg Val Ala Gly Arg Leu Thr Asn Arg  
 65 70 75 80

His Thr Thr Ala Thr  
 85

<210> 66

<211> 302

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (237)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 66

Met Lys Ala Pro Gly Arg Leu Val Leu Ile Ile Leu Cys Ser Val Val  
 1 5 10 15

Phe Ser Ala Val Tyr Ile Leu Leu Cys Cys Trp Ala Gly Leu Pro Leu  
 20 25 30

Cys Leu Ala Thr Cys Leu Asp His His Phe Pro Thr Gly Ser Arg Pro  
 35 40 45

Thr Val Pro Gly Pro Leu His Phe Ser Gly Tyr Ser Ser Val Pro Asp  
 50 55 60

Gly Lys Pro Leu Val Arg Glu Pro Cys Arg Ser Cys Ala Val Val Ser  
 65 70 75 80

Ser Ser Gly Gln Met Leu Gly Ser Gly Leu Gly Ala Glu Ile Asp Ser  
 85 90 95

Ala Glu Cys Val Phe Arg Met Asn Gln Ala Pro Thr Val Gly Phe Glu  
 100 105 110

Ala Asp Val Gly Gln Arg Ser Thr Leu Arg Val Val Ser His Thr Ser  
 115 120 125

Val Pro Leu Leu Leu Arg Asn Tyr Ser His Tyr Phe Gln Lys Ala Arg  
 130 135 140

Asp Thr Leu Tyr Met Val Trp Gly Gln Gly Arg His Met Asp Arg Val  
 145 150 155 160

Leu Gly Gly Arg Thr Tyr Arg Thr Leu Leu Gln Leu Thr Arg Met Tyr

165	170	175
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Pro Gly Leu Gln Val Tyr Thr Phe Thr Glu Arg Met Met Ala Tyr Cys		
180	185	190

Asp Gln Ile Phe Gln Asp Glu Thr Gly Lys Asn Arg Arg Gln Ser Gly		
195	200	205

Ser Phe Leu Ser Thr Gly Trp Phe Thr Met Ile Leu Ala Leu Glu Leu		
210	215	220

Cys Glu Glu Ile Val Val Tyr Gly Met Val Ser Asp Xaa Tyr Cys Arg		
225	230	235

Glu Lys Ser His Pro Ser Val Pro Tyr His Tyr Phe Glu Lys Gly Arg		
245	250	255

Leu Asp Glu Cys Gln Met Tyr Leu Ala His Glu Gln Ala Pro Arg Ser		
260	265	270

Ala His Arg Phe Ile Thr Glu Lys Ala Val Phe Ser Arg Trp Ala Lys		
275	280	285

Lys Arg Pro Ile Val Phe Ala His Pro Ser Trp Arg Thr Glu		
290	295	300

<210> 67

<211> 149

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (125)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 67  
 Met Ala Ala Trp Val Phe Pro Leu Leu Ser Val Ile His Thr Xaa Leu  
 1 5 10 15

Pro Gln Ala Ser Pro Glu Ile Trp Val Thr Gln Ser Glu Gly Gly Asp  
 20 25 30

Gln Gly Val Ala Cys Glu Xaa Val Gly Gly Val Leu Ser Thr Leu Asp  
 35 40 45

Arg Ile Glu Leu Cys Phe Leu Ser Asp Arg Ala Ser Ser Gly Cys Xaa  
 50 55 60

Asp Lys Xaa Pro Gln Thr Gly Val Leu Phe Leu Gly Ala Gly Ile Cys  
 65 70 75 80

His Glu Gly Val Gly Arg Ala Gly Ser Ser Arg Ala Leu Ser Pro Gly  
 85 90 95

Pro Ala Xaa Ala Val Phe Pro Ser Phe Pro Cys Ala Phe Pro Gly Pro  
 100 105 110

Ser Cys Val Cys Leu Cys Pro Arg Leu Ser Trp Xaa Xaa Tyr Arg Ser  
 115 120 125

Gln Gly Pro Trp Ser Tyr Trp Ile Arg Ala Thr Leu Met Ala Ser Cys  
 130 135 140

His Cys Ser Tyr Leu  
 145

<210> 68  
 <211> 357  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 68  
 Met Cys Phe Ala Thr Ala Ala Phe Phe Phe Phe Thr Leu Leu Met  
 1 5 10 15

Leu Cys Val Ser Ser Ser Arg Asp Pro Arg Ala Ala Ile Gln Asn Gly  
 20 25 30

Phe Trp Phe Phe Lys Phe Leu Ile Leu Val Gly Xaa Thr Val Gly Ala  
 35 40 45

Phe Tyr Ile Pro Asp Gly Ser Phe Thr Asn Ile Trp Phe Tyr Phe Gly  
 50 55 60

Val Val Gly Ser Phe Leu Phe Ile Leu Ile Gln Leu Val Leu Leu Ile  
 65 70 75 80  
 Asp Phe Ala His Ser Trp Asn Gln Arg Trp Leu Gly Lys Ala Glu Glu  
 85 90 95  
 Cys Asp Ser Arg Ala Trp Tyr Ala Gly Leu Phe Phe Phe Thr Leu Leu  
 100 105 110  
 Phe Tyr Leu Leu Ser Ile Ala Ala Val Ala Leu Met Phe Met Tyr Tyr  
 115 120 125  
 Thr Glu Pro Ser Gly Cys His Glu Gly Lys Val Phe Ile Ser Leu Asn  
 130 135 140  
 Leu Thr Phe Cys Val Cys Val Ser Ile Ala Ala Val Leu Pro Lys Val  
 145 150 155 160  
 Gln Asp Ala Gln Pro Asn Ser Gly Leu Leu Gln Ala Ser Val Ile Thr  
 165 170 175  
 Leu Tyr Thr Met Phe Val Thr Trp Ser Ala Leu Ser Ser Ile Pro Glu  
 180 185 190  
 Gln Lys Cys Asn Pro His Leu Pro Thr Gln Leu Gly Asn Glu Thr Val  
 195 200 205  
 Val Ala Gly Pro Glu Gly Tyr Glu Thr Gln Trp Trp Asp Ala Pro Ser  
 210 215 220  
 Ile Val Gly Leu Ile Ile Phe Leu Leu Cys Thr Leu Phe Ile Ser Leu  
 225 230 235 240  
 Arg Ser Ser Asp His Arg Gln Val Asn Ser Leu Met Gln Thr Glu Glu  
 245 250 255  
 Cys Pro Pro Met Leu Asp Ala Thr Gln Gln Gln Gln Val Ala  
 260 265 270  
 Ala Cys Glu Gly Arg Ala Phe Asp Asn Glu Gln Asp Gly Val Thr Tyr  
 275 280 285  
 Ser Tyr Ser Phe Phe His Phe Cys Leu Val Leu Ala Ser Leu His Val  
 290 295 300  
 Met Met Thr Leu Thr Asn Trp Tyr Lys Pro Gly Glu Thr Arg Lys Met  
 305 310 315 320  
 Ile Ser Thr Trp Thr Ala Val Trp Val Lys Ile Cys Ala Ser Trp Ala  
 325 330 335  
 Gly Leu Leu Leu Tyr Leu Trp Thr Leu Val Ala Pro Leu Leu Leu Arg  
 340 345 350  
 Asn Arg Asp Phe Ser  
 355

<210> 69  
 <211> 111  
 <212> PRT

<213> Homo sapiens

<400> 69

Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln  
 1 5 10 15

Leu Ile Asn Leu Leu Gly Sér Thr Gln Cys Ser Leu Asp Ser Val Met Asp  
 20 25 30

Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro  
 35 40 45

Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro  
 50 55 60

Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr  
 65 70 75 80

Gly Cys Gly Ser Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln  
 85 90 95

Cys Ser Val Val Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr  
 100 105 110

<210> 70

<211> 183

<212> PRT

<213> Homo sapiens

<400> 70

Met Ile Cys Ser Gly Phe Phe Gly Trp Trp Trp Trp Cys Phe Leu  
 1 5 10 15

Met Gly Leu Ser Gly Phe His Gln Thr His Phe Pro Ala Ala Val Trp  
 20 25 30

Ser Gly Pro Glu Asn Thr Lys Pro Pro Asp Pro Arg Pro Thr Pro Thr  
 35 40 45

His His Pro Ala Ser Ala Ala Leu Ser Gln Asp Ser His Gly Asn Glu  
 50 55 60

Gly Ile His Leu Leu Pro Asp Thr His Trp Ala Leu Arg Pro Ser Gln  
 65 70 75 80

Gly Pro His Asn Gly Pro Gln Arg Arg Gly Pro Thr Thr Cys Trp Ile  
 85 90 95

Phe Pro Gly Lys Gly Val Arg Gly Trp Arg Gly Arg Ala Val Arg Leu  
 100 105 110

Phe Pro Ala Pro Ser Pro Ile Cys Thr Leu Val Ala Arg Val Ser Gln  
 115 120 125

Arg Gly His Pro Cys Pro Arg Thr Leu Ser Pro Ser Ser Ala Pro Cys  
 130 135 140

Phe Leu Ile Leu Lys Leu Gln Gly Gly Trp Glu Asp Ser Asn Gly Asn  
 145 150 155 160

Gly Ser Lys Asp Thr Leu Arg Asn Cys Gly Leu Pro Asp Lys Glu Ser  
 165 170 175

Lys Arg Leu Gly Leu Gln Ala  
 180

<210> 71  
 <211> 253  
 <212> PRT  
 <213> Homo sapiens

<400> 71  
 Met Ile Val Gly Ser Pro Arg Ala Leu Thr Gln Pro Leu Gly Leu Leu  
 1 5 10 15

Arg Leu Leu Gln Leu Val Ser Thr Cys Val Ala Phe Ser Leu Val Ala  
 20 25 30

Ser Val Gly Ala Trp Thr Gly Ser Met Gly Asn Trp Ser Met Phe Thr  
 35 40 45

Trp Cys Phe Cys Phe Ser Val Thr Leu Ile Ile Leu Ile Val Glu Leu  
 50 55 60

Cys Gly Leu Gln Ala Arg Phe Pro Leu Ser Trp Arg Asn Phe Pro Ile  
 65 70 75 80

Thr Phe Ala Cys Tyr Ala Ala Leu Phe Cys Leu Ser Ala Ser Ile Ile  
 85 90 95

Tyr Pro Thr Thr Tyr Val Gln Phe Leu Ser His Gly Arg Ser Arg Asp  
 100 105 110

His Ala Ile Ala Ala Thr Phe Phe Ser Cys Ile Ala Cys Val Ala Tyr  
 115 120 125

Ala Thr Glu Val Ala Trp Thr Arg Ala Arg Pro Gly Glu Ile Thr Gly  
 130 135 140

Tyr Met Ala Thr Val Pro Gly Leu Leu Lys Val Leu Glu Thr Phe Val  
 145 150 155 160

Ala Cys Ile Ile Phe Ala Phe Ile Ser Asp Pro Asn Leu Tyr Gln His  
 165 170 175

Gln Pro Ala Leu Glu Trp Cys Val Ala Val Tyr Ala Ile Cys Phe Ile  
 180 185 190

Leu Ala Ala Ile Ala Ile Leu Leu Asn Leu Gly Glu Cys Thr Asn Val  
 195 200 205

Leu Pro Ile Pro Phe Pro Ser Phe Leu Ser Gly Leu Ala Leu Leu Ser  
 210 215 220

Val Leu Leu Tyr Ala Thr Ala Leu Val Leu Trp Pro Leu Tyr Gln Phe  
 225 230 235 240

Asp Glu Lys Tyr Gly Gly Ser Leu Gly Ala Arg Glu Met  
 245 250

<210> 72  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 72  
 Met Ala Val Trp Gly Asp Thr Glu Leu Ala Ala Gly Val Phe Cys Phe  
 1 5 10 15

Phe Leu Phe Phe Cys Phe Leu Tyr Leu Ser Gly Thr Trp Asn Ala Ser  
 20 25 30

Lys Thr Glu Leu Phe Thr Pro Leu Glu Arg Glu Leu Lys Pro Gly His  
 35 40 45

Pro Ser Gly Met Leu Ser Gly Ser His Pro His Gly Ala Gln Gln Ala  
 50 55 60

Lys Ser Thr Gly Leu Lys Leu Ser Leu Pro Ala Gln Gln Ser Glu Val  
 65 70 75 80

Asp Leu Gly Cys Ser Ser Leu Val Trp Gly Gly Ala Ser Ala Ile Thr  
 85 90 95

Glu Ala Leu

<210> 73  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 73  
 Met Val Val Leu Phe Arg Trp Val Pro Val Thr Asp Ala Tyr Trp Gln  
 1 5 10 15

Ile Leu Phe Ser Val Leu Lys Val Thr Arg Asn Leu Lys Glu Leu Asp  
 20 25 30

Leu Ser Gly Asn Ser Leu Ser His Ser Ala Val Lys Ser Leu Cys Lys  
 35 40 45

Thr Leu Arg Arg Pro Arg Cys Leu Leu Glu Thr Leu Arg Leu Ala Gly  
 50 55 60

Cys Gly Leu Thr Ala Glu Asp Cys Lys Asp Leu Ala Phe Gly Leu Arg  
 65 70 75 80

Ala Asn Gln Thr Leu Thr Glu Leu Asp Leu Ser Phe Asn Val Leu Thr  
 85 90 95

Asp Ala Gly Ala Lys His Leu Cys Gln Arg Leu Arg Gln Pro Ser Cys  
 100 105 110

Lys Leu Gln Arg Leu Gln Leu Val Ser Cys Gly Leu Thr Ser Asp Cys  
 115 120 125

Cys Gln Asp Leu Ala Ser Val Leu Ser Ala Ser Pro Ser Leu Lys Glu  
 130 135 140

Leu Asp Leu Gln Gln Asn Asn Leu Asp Asp Val Gly Val Arg Leu Leu  
 145 150 155 160

Cys Glu Gly Leu Ser Ile Leu Pro Ala Asn Ser Tyr Ala Trp Gly Trp  
 165 170 175

Thr Arg Gln Leu  
 180

<210> 74

<211> 62

<212> PRT

<213> Homo sapiens

<400> 74

Met Leu Leu Arg His Pro Leu Pro Val Cys Phe Cys Phe Ser Phe Cys  
 1 5 10 15

Pro Phe Pro Val Ser Ala Leu Ser Leu Leu Pro Ile Gly Leu Val Arg  
 20 25 30

Glu Gly Ala Ala Ser Pro Thr Gln Gln Leu Arg Leu Gln Arg Glu Ser  
 35 40 45

Leu Ser Ser Ile Thr His Arg Val Asn Ile Lys Glu Gly His  
 50 55 60

<210> 75

<211> 73

<212> PRT

<213> Homo sapiens

<400> 75

Met Ala Thr Pro Arg Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu  
 1 5 10 15

Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys  
 20 25 30

Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala  
 35 40 45

Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val  
 50 55 60

Glu Asn Leu Gln Arg Phe Arg Gly Arg  
 65 70

<210> 76

<211> 130

<212> PRT

<213> Homo sapiens

<400> 76

Met Ala Phe Phe Phe Thr Phe Met Ala Gln Leu Val Ile Ser Ile Ile  
 1 5 10 15

Gln Ala Val Gly Ile Pro Gly Trp Gly Val Cys Gly Trp Ile Ala Thr  
 20 25 30

Ile Ser Phe Phe Gly Thr Asn Ile Gly Ser Ala Val Val Met Leu Ile  
 35 40 45

Pro Thr Val Met Phe Thr Val Met Ala Val Phe Ser Phe Ile Ala Leu  
 50 55 60

Ser Met Val His Lys Phe Tyr Arg Gly Ser Gly Gly Ser Phe Ser Lys  
 65 70 75 80

Ala Gln Glu Glu Trp Thr Thr Gly Ala Trp Lys Asn Pro His Val Gln  
 85 90 95

Gln Ala Ala Gln Asn Ala Ala Met Gly Ala Ala Gln Gly Ala Met Asn  
 100 105 110

Gln Pro Gln Thr Gln Tyr Ser Ala Thr Pro Asn Tyr Thr Tyr Ser Asn  
 115 120 125

Glu Met  
 130

<210> 77

<211> 107

<212> PRT

<213> Homo sapiens

<400> 77

Met Glu Pro Leu Ala Ala Tyr Pro Leu Lys Cys Ser Gly Pro Arg Ala  
 1 5 10 15

Lys Val Phe Ala Val Leu Leu Ser Ile Val Leu Cys Thr Val Thr Leu  
 20 25 30

Phe Leu Leu Gln Leu Lys Phe Leu Lys Pro Lys Ile Asn Ser Phe Tyr  
 35 40 45

Ala Phe Glu Val Lys Asp Ala Lys Gly Arg Thr Val Ser Leu Glu Lys  
 50 55 60

Tyr Lys Gly Lys Val Ser Leu Val Val Asn Val Ala Ser Asp Cys Gln  
 65 70 75 80

Leu Thr Asp Arg Asn Tyr Leu Gly Leu Lys Glu Leu His Lys Glu Phe  
 85 90 95

Gly Pro Ser His Phe Ser Val Leu Ala Phe Pro  
 100 105

<210> 78

<211> 125

<212> PRT

<213> Homo sapiens

<400> 78

Met Gln Ile Leu Gly Val Val Leu Thr Leu Leu Gly Trp Val Asn Gly  
 1 5 10 15

Leu Val Ser Cys Ala Leu Pro Met Trp Lys Val Thr Ala Phe Ile Gly  
 20 25 30

Asn Ser Ile Val Val Ala Gln Val Val Trp Glu Gly Leu Trp Met Ser  
 35 40 45

Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser  
 50 55 60

Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Cys Val  
 65 70 75 80

Ile Ala Leu Leu Val Ala Leu Phe Gly Leu Leu Val Tyr Leu Ala Gly  
 85 90 95

Ala Lys Cys Thr Thr Cys Phe Tyr Ile Arg Ile Pro Arg Pro Ala Trp  
 100 105 110

Cys Ser Pro Leu Gly Leu Ser Leu Ser Ser Gln Gly Ser  
 115 120 125

<210> 79

<211> 218

<212> PRT

<213> Homo sapiens

<400> 79

Met Glu Ser Arg Met Trp Pro Ala Leu Leu Leu Ser His Leu Leu Pro  
 1 5 10 15

Leu Trp Pro Leu Leu Leu Pro Leu Pro Pro Pro Ala Gln Gly Ser  
 20 25 30

Ser Ser Pro Pro Arg Thr Pro Pro Pro Ala Arg Pro Pro Cys Ala  
 35 40 45

Arg Gly Gly Pro Ser Ala Pro Arg His Val Cys Val Trp Glu Arg Ala  
 50 55 60

Pro Pro Pro Ser Arg Ser Pro Arg Val Pro Arg Ser Arg Arg Gln Val  
 65 70 75 80

Leu Pro Gly Thr Ala Pro Pro Ala Thr Pro Ser Gly Phe Glu Glu Gly  
 85 90 95

Pro Pro Ser Ser Gln Tyr Pro Trp Ala Ile Val Trp Gly Pro Thr Val  
 100 105 110

Ser Arg Glu Asp Gly Gly Asp Pro Asn Ser Ala Asn Pro Gly Phe Leu  
 115 120 125

Asp Tyr Gly Phe Ala Ala Pro His Gly Leu Ala Thr Pro His Pro Asn  
 130 135 140

Ser Asp Ser Met Arg Gly Asp Gly Met Gly Leu Ser Leu Glu Arg His  
 145 150 155 160

Leu Pro Pro Cys Gly His Ser Cys Ser Gly Ala Val Gly Lys Val Trp  
 165 170 175

Thr Pro Ser Ser Met Ser Gln Leu Pro Ser Pro Ser Ser Leu Phe Ser  
 180 185 190

Trp Pro Leu Ala Ser Ser Ser Ser Ala Gly Thr Ala Ala Arg Ser  
 195 200 205

Asp Ala Asp Pro Gln Gly Ser Lys Val Pro  
 210 215

<210> 80

<211> 232

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 80

Met Ala Ile Ser Ile Pro Asn Arg Ile Phe Pro Ile Thr Ala Leu Thr  
 1 5 10 15

Leu Leu Ala Leu Val Tyr Ser Leu Val Leu Leu Pro Phe Tyr Asn  
 20 25 30

Cys Thr Glu Xaa Thr Lys Tyr Arg Arg Phe Pro Asp Trp Leu Asp His  
 35 40 45

Trp Met Leu Cys Arg Lys Gln Leu Gly Leu Val Ala Leu Gly Phe Ala  
 50 55 60

Phe Leu Xaa Val Leu Xaa Xaa Leu Val Ile Pro Ile Arg Tyr Tyr Val  
 65 70 75 80

Arg Xaa Arg Leu Gly Asn Leu Thr Val Thr Gln Xaa Ile Leu Lys Lys  
 85 90 95

Glu Asn Pro Phe Ser Thr Ser Ser Ala Trp Leu Ser Asp Ser Tyr Val  
 100 105 110

Ala Leu Gly Ile Leu Gly Phe Phe Leu Phe Val Leu Leu Gly Ile Thr  
 115 120 125

Ser Leu Pro Ser Val Ser Asn Ala Val Asn Trp Arg Glu Phe Arg Phe  
 130 135 140

Val Gln Ser Lys Leu Gly Tyr Leu Thr Leu Ile Leu Cys Thr Ala His  
 145 150 155 160

Thr Leu Val Tyr Gly Gly Lys Arg Phe Leu Ser Pro Ser Asn Leu Arg  
 165 170 175

Trp Tyr Leu Pro Ala Ala Tyr Val Leu Gly Leu Ile Ile Pro Cys Thr  
 180 185 190

Val Leu Val Ile Lys Phe Val Leu Ile Met Pro Cys Val Asp Asn Thr  
 195 200 205

Leu Thr Arg Ile Arg Arg Ala Gly Lys Gly Thr Gln Asn Thr Arg Lys  
 210 215 220

Ser Ile Glu Trp Lys Ile Asn Ile  
 225 230

<210> 81

<211> 121

<212> PRT

<213> Homo sapiens

<400> 81

Met Val Phe Phe Thr Cys Leu Trp Phe Leu Asn Glu His Ile Leu Val  
 1 5 10 15

Cys Asn Cys Ser Asn Val Ser Leu Cys Tyr Ser Leu Pro Leu Lys Glu  
 20 25 30

Lys Ile Thr Phe Phe Tyr Asn Leu Thr His Tyr Phe Phe Asn Arg Cys  
 35 40 45

Phe Lys His Leu Phe Val Phe Val Glu Gln Ile Phe Leu Asn Ile Val  
 50 55 60

Tyr Thr Arg Asn Leu Ile Val Tyr Phe Ser Glu Leu Asn Tyr Ala Ile  
 65 70 75 80

Cys Ser Ser Val Asn Glu Ala Leu Thr Val Gln Ser Asn Pro Leu Lys  
 85 90 95

Val Leu Pro Trp Glu Ile Arg Arg Val Ser Asn Ser Gln Cys Leu Ser  
 100 105 110

Leu Ile Ser Val Pro Tyr Asn Asn Thr  
 115 120

<210> 82  
 <211> 154  
 <212> PRT  
 <213> Homo sapiens

<400> 82  
 Met Asn Pro Gln Thr Val Leu Leu Leu Arg Val Ile Ala Ala Phe Cys  
 1 5 10 15

Phe Leu Gly Ile Leu Cys Ser Leu Ser Ala Phe Leu Leu Asp Val Phe  
 20 25 30

Gly Pro Lys His Pro Ala Leu Lys Ile Thr Arg Arg Tyr Ala Phe Ala  
 35 40 45

His Ile Leu Thr Val Leu Gln Cys Ala Thr Val Ile Gly Phe Ser Tyr  
 50 55 60

Trp Ala Ser Glu Leu Ile Leu Ala Gln Gln Gln His Lys Lys Tyr  
 65 70 75 80

His Gly Ser Gln Val Tyr Val Thr Phe Ala Val Ser Phe Tyr Leu Val  
 85 90 95

Ala Gly Ala Gly Gly Ala Ser Ile Leu Ala Thr Ala Ala Asn Leu Leu  
 100 105 110

Arg His Tyr Pro Thr Glu Glu Glu Glu Gln Ala Leu Glu Leu Leu Ser  
 115 120 125

Glu Met Glu Glu Asn Glu Pro Tyr Pro Ala Glu Tyr Glu Val Ile Asn  
 130 135 140

Gln Phe Gln Pro Pro Pro Ala Tyr Thr Pro  
 145 150

<210> 83  
 <211> 190  
 <212> PRT  
 <213> Homo sapiens

<400> 83  
 Met Met Asn Phe Gln Pro Pro Ser Lys Ala Trp Arg Ala Ser Gln Met  
 1 5 10 15

Met Thr Phe Phe Ile Phe Leu Leu Phe Phe Pro Ser Phe Thr Gly Val  
 20 25 30

Leu Cys Thr Leu Ala Ile Thr Ile Trp Arg Leu Lys Pro Ser Ala Asp  
 35 40 45

Cys Gly Pro Phe Arg Gly Leu Pro Leu Phe Ile His Ser Ile Tyr Ser  
 50 55 60

Trp Ile Asp Thr Leu Ser Thr Arg Pro Gly Tyr Leu Trp Val Val Trp  
 65 70 75 80

Ile Tyr Arg Asn Leu Ile Gly Ser Val His Phe Phe Ile Leu Thr

85

90

95

Leu Ile Val Leu Ile Ile Thr Tyr Leu Tyr Trp Gln Ile Thr Glu Gly  
 100 105 110

Arg Lys Ile Met Ile Arg Leu Leu His Glu Gln Ile Ile Asn Glu Gly  
 115 120 125

Lys Asp Lys Met Phe Leu Ile Glu Lys Leu Ile Lys Leu Gln Asp Met  
 130 135 140

Glu Lys Lys Ala Asn Pro Ser Ser Leu Val Leu Glu Arg Arg Glu Val  
 145 150 155 160

Glu Gln Gln Gly Phe Leu His Leu Gly Glu His Asp Gly Ser Leu Asp  
 165 170 175

Leu Arg Ser Arg Arg Ser Val Gln Glu Gly Asn Pro Arg Ala  
 180 185 190

<210> 84

<211> 72

<212> PRT

<213> Homo sapiens

<400> 84

Met His Ile Tyr Met Trp Val Cys Gly Met Cys Ala Cys Val Cys Met  
 1 5 10 15

Ala Ser Tyr Ile Ile Cys Gly Thr Lys Gly Lys Met Lys Leu Tyr Gly  
 20 25 30

Pro Arg Ser Lys Ile Arg Cys Gly Val Leu Leu Ser Thr Val Leu Cys  
 35 40 45

Asn Cys Thr Gly Cys Met Ser Met Lys Pro Ser Cys Val Cys Ala His  
 50 55 60

Met Cys Met Asn Met Tyr Phe Ile  
 65 70

<210> 85

<211> 42

<212> PRT

<213> Homo sapiens

<400> 85

Met Gly Leu Pro Arg Gly Ser Phe Phe Trp Leu Leu Leu Leu Thr  
 1 5 10 15

Ala Ala Cys Ser Gly Leu Leu Phe Ala Leu Tyr Phe Ser Ala Val Gln  
 20 25 30

Arg Tyr Pro Gly Pro Ala Ala Gly Ala Arg  
 35 40

<210> 86

<211> 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 86

Met	Ala	Cys	Leu	Gly	Ala	Pro	Ile	Ser	Ser	Leu	Leu	Cys	Trp	Leu	Leu
1															15
			5							10					

Leu	Ala	Leu	Ile	Ala	Leu	Glu	Ile	Val	Pro	Pro	Ala	Ala	Pro	Cys	Glu
															30
			20				25								

Val	Leu	Thr	Pro	Leu	Gln	Ser	Ser	Thr	Asn	Pro	Ile	Val	Asn	Lys	Leu
															45
			35				40								

Gly	Val	Lys	Asp	Val	Asn	Glu	Leu	Val	Thr	Pro	Met	Gln	Gly	Ile	Gln
															60
			50			55									

Thr	Cys	Phe	Asn	Ile	Lys	Lys	Lys	Trp	Pro
			65			70			

&lt;210&gt; 87

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 87

Met	Val	Ala	Arg	Val	Phe	Tyr	Tyr	Leu	Cys	Val	Ile	Ala	Leu	Gln	Tyr
1															15
				5				10							

Val	Ala	Pro	Leu	Val	Met	Leu	Leu	His	Thr	Thr	Leu	Leu	Lys	Thr
			20			25						30		

Leu	Gly	Asn	His	Ser	Trp	Gly	Ile	Tyr	Pro	Glu	Ser	Ile	Ser	Thr	Leu
															45
			35			40									

Pro	Val	Asp	Asn	Ser	Leu	Leu	Ser	Asn	Ser	Val	Tyr	Ser	Glu	Leu	Pro
															60
			50			55									

Ser	Ala	Glu	Gly	Lys	Met	Lys	Val	Thr	Val	Thr	Gln	Ile	Thr	Val	Ala
															80
			65			70									

Leu	Ser	Ser	Leu	Lys	Asn	Ile	Phe	Thr	Pro	Leu	Leu	Phe	Arg	Gly	Leu
															95
			85			90									

Leu	Ser	Phe	Leu	Thr	Trp	Trp	Ile	Ala	Ala	Cys	Leu	Phe	Ser	Thr	Ser
															110
			100			105									

Leu	Phe	Gly	Leu	Phe	Tyr	His	Gln	Tyr	Leu	Thr	Val	Ala
		115			120							125

&lt;210&gt; 88

&lt;211&gt; 257

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 88

Met	Leu	Leu	Thr	Leu	Ala	Gly	Gly	Ala	Leu	Phe	Phe	Pro	Gly	Leu	Phe
1															15
									10						

Ala	Leu	Cys	Thr	Trp	Ala	Leu	Arg	Arg	Ser	Gln	Pro	Gly	Trp	Ser	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20

25

30

Thr Asp Cys Val Met Ile Ser Thr Arg Leu Val Ser Ser Val His Ala  
 35 40 45

Val Leu Ala Thr Gly Ser Gly Ile Val Ile Ile Arg Ser Cys Asp Asp  
 50 55 60

Val Ile Thr Gly Arg His Trp Leu Ala Arg Glu Tyr Val Trp Phe Leu  
 65 70 75 80

Ile Pro Tyr Met Ile Tyr Asp Ser Tyr Ala Met Tyr Leu Cys Glu Trp  
 85 90 95

Cys Arg Thr Arg Asp Gln Asn Arg Ala Pro Ser Leu Thr Leu Arg Asn  
 100 105 110

Phe Leu Ser Arg Asn Arg Leu Met Ile Thr His His Ala Val Ile Leu  
 115 120 125

Phe Val Leu Val Pro Val Ala Gln Arg Leu Arg Gly Asp Leu Gly Asp  
 130 135 140

Phe Phe Val Gly Cys Ile Phe Thr Ala Glu Leu Ser Thr Pro Phe Val  
 145 150 155 160

Ser Leu Gly Arg Val Leu Ile Gln Leu Lys Gln Gln His Thr Leu Leu  
 165 170 175

Tyr Lys Val Asn Gly Ile Leu Thr Leu Ala Thr Phe Leu Ser Cys Arg  
 180 185 190

Ile Leu Leu Phe Pro Phe Met Tyr Trp Ser Tyr Gly Arg Gln Gln Gly  
 195 200 205

Leu Ser Leu Leu Gln Val Pro Phe Ser Ile Pro Phe Tyr Cys Asn Val  
 210 215 220

Ala Asn Ala Phe Leu Val Ala Pro Gln Ile Tyr Trp Phe Cys Leu Leu  
 225 230 235 240

Cys Arg Lys Ala Val Arg Leu Phe Asp Thr Pro Gln Ala Lys Lys Asp  
 245 250 255

Gly

<210> 89  
 <211> 121  
 <212> PRT  
 <213> Homo sapiens

<400> 89  
 Met Thr Cys Phe Pro Thr Arg Leu Gly Leu Ser Cys Pro Lys Pro Ala  
 1 5 10 15

Phe Leu Leu Val Pro Leu Ala Leu Ala Gln Cys Val Val Pro Ala Gly  
 20 25 30

Phe Leu Gly Lys Cys Cys Leu Leu Gly Arg Leu Met Cys Ala Glu Cys

35

40

45

Ile Gly Thr Tyr Ser Trp Asp Gln Pro Arg Arg Arg Glu Glu Met Glu  
 50 55 60

Ala Arg Leu Asp Ser Gly Arg Ser Trp Ala Ser Val Leu Tyr Gly His  
 65 70 75 80

Arg Pro Gln Leu His Gly Glu Pro Cys Thr Ala Val Ala Cys Arg Arg  
 85 90 95

Val Pro Cys Cys Ser Glu Gly Ala Gly Pro Phe Ser Ser Leu Thr Asp  
 100 105 110

Gln Gln Leu Asn Ala Val Tyr Pro Gly  
 115 120

<210> 90

<211> 87

<212> PRT

<213> Homo sapiens

<400> 90

Met Pro Thr Arg Gln Leu His Phe Lys Gln Leu Gln Leu Gln Gly Leu  
 1 5 10 15

Leu Ile Val Ile Ala Val Thr Asp Asn Cys Leu Ser Phe Ser Val Lys  
 20 25 30

Gly Asn Leu Gly Thr Cys Pro Val Arg Ile Leu Val Ala Ser Phe Cys  
 35 40 45

Val His Val Cys Val His Val Arg Val Tyr Phe Ile Gln Ile Ser Leu  
 50 55 60

Cys Leu Lys Ser Gly Arg Lys Tyr Phe Lys Phe Leu Leu Leu Asn Cys  
 65 70 75 80

Ala Asn Val Glu Ile Ser Ser  
 85

<210> 91

<211> 82

<212> PRT

<213> Homo sapiens

<400> 91

Met Gly Gln Met Gln Leu Cys Trp Gly His Trp Glu Thr Phe Leu Pro  
 1 5 10 15

Leu Leu Arg Leu Leu Val Ala Ile Val Leu Cys Lys Val Ser Ile Met  
 20 25 30

Lys Glu Val Ile Ser Phe Gly Arg Leu Leu Glu Thr Met Leu Ile Pro  
 35 40 45

Trp Pro Cys Val Thr Leu Met Val Met Glu Arg Lys Ser Phe Leu Leu  
 50 55 60

Asp Leu Arg Ile Leu Ile Ser Glu Phe Leu Arg Lys Met Arg Leu Trp  
 65 70 75 80

Gln Lys

<210> 92

<211> 508

<212> PRT

<213> Homo sapiens

<400> 92

Met Ala Gly Arg Thr Thr Ala Ala Pro Arg Gly Pro Tyr Gly Pro Trp  
 1 5 10 15

Leu Cys Leu Leu Val Ala Leu Ala Leu Asp Val Val Arg Val Asp Cys  
 20 25 30

Gly Gln Ala Pro Leu Asp Pro Val Tyr Leu Pro Ala Ala Leu Glu Leu  
 35 40 45

Leu Asp Ala Pro Glu His Phe Arg Val Gln Gln Val Gly His Tyr Pro  
 50 55 60

Pro Ala Asn Ser Ser Leu Ser Ser Arg Ser Glu Thr Phe Leu Leu Leu  
 65 70 75 80

Gln Pro Trp Pro Arg Ala Gln Pro Leu Leu Arg Ala Ser Tyr Pro Pro  
 85 90 95

Phe Ala Thr Gln Gln Val Val Pro Pro Arg Val Thr Glu Pro His Gln  
 100 105 110

Arg Pro Val Pro Trp Asp Val Arg Ala Val Ser Val Glu Ala Ala Val  
 115 120 125

Thr Pro Ala Glu Pro Tyr Ala Arg Val Leu Phe His Leu Lys Gly Gln  
 130 135 140

Asp Trp Pro Pro Gly Ser Gly Ser Leu Pro Cys Ala Arg Leu His Ala  
 145 150 155 160

Thr His Pro Ala Gly Thr Ala His Gln Ala Cys Arg Phe Gln Pro Ser  
 165 170 175

Leu Gly Ala Cys Val Val Glu Leu Glu Leu Pro Ser His Trp Phe Ser  
 180 185 190

Gln Ala Ser Thr Thr Arg Ala Glu Leu Ala Tyr Thr Leu Glu Pro Ala  
 195 200 205

Ala Glu Gly Pro Gly Gly Cys Gly Ser Gly Glu Glu Asn Asp Pro Gly  
 210 215 220

Glu Gln Ala Leu Pro Val Gly Gly Val Glu Leu Arg Pro Ala Asp Pro  
 225 230 235 240

Pro Gln Tyr Gln Glu Val Pro Leu Asp Glu Ala Val Thr Leu Arg Val  
 245 250 255

Pro Asp Met Pro Val Arg Pro Gly Gln Leu Phe Ser Ala Thr Leu Leu  
 260 265 270  
 Leu Arg His Asn Phe Thr Ala Ser Leu Leu Thr Leu Arg Ile Lys Val  
 275 280 285  
 Lys Lys Gly Leu His Val Thr Ala Ala Arg Pro Ala Gln Pro Thr Leu  
 290 295 300  
 Trp Thr Ala Lys Leu Asp Arg Phe Lys Gly Ser Arg His His Thr Thr  
 305 310 315 320  
 Leu Ile Thr Cys His Arg Ala Gly Leu Thr Glu Pro Asp Ser Ser Ser  
 325 330 335  
 Pro Leu Glu Leu Ser Glu Phe Leu Trp Val Asp Phe Val Val Glu Asn  
 340 345 350  
 Ser Thr Gly Gly Gly Val Ala Val Thr Arg Pro Val Thr Trp Gln Leu  
 355 360 365  
 Glu Tyr Pro Gly Gln Ala Pro Glu Ala Glu Lys Asp Lys Met Val Trp  
 370 375 380  
 Glu Ile Leu Val Ser Glu Arg Asp Ile Arg Ala Leu Ile Pro Leu Ala  
 385 390 395 400  
 Lys Val Ser Glu Ala Cys Asp Ala Val Phe Val Ala Gly Lys Glu Ser  
 405 410 415  
 Arg Gly Ala Arg Gly Val Arg Val Asp Phe Trp Trp Arg Arg Leu Arg  
 420 425 430  
 Ala Ser Leu Arg Leu Thr Val Trp Ala Pro Leu Leu Pro Leu Arg Ile  
 435 440 445  
 Glu Leu Thr Asp Thr Thr Leu Glu Gln Val Arg Gly Trp Arg Val Pro  
 450 455 460  
 Gly Pro Ala Glu Gly Pro Ala Glu Pro Ala Ala Glu Ala Ser Asp Glu  
 465 470 475 480  
 Ala Glu Arg Arg Ala Arg Gly Cys His Leu Gln Tyr Gln Arg Ala Gly  
 485 490 495  
 Val Arg Phe Leu Ala Pro Phe Ala Ala His Pro Leu  
 500 505  
  
 <210> 93  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 93  
 Met Phe Gly Ser Arg Gly Leu Leu Cys Met Cys Val Phe Phe Phe Asn  
 1 5 10 15  
 Ile Leu Ala Ser Gln Cys Lys Val Ile Ser Ser Gly Gly Met Leu Cys  
 20 25 30

Cys Arg Thr Pro Thr Leu Leu Asp Tyr Leu Arg Gln His Phe Leu  
 35 40 45

<210> 94  
 <211> 119  
 <212> PRT  
 <213> Homo sapiens

<400> 94  
 Met Gly Phe Leu Gln Phe Gly Phe Gly Phe Leu Ser Ser Leu Asn Leu  
 1 5 10 15

Leu Phe Val Ser Phe Ala Gln Cys Pro Ser Gln Val Ala Pro Met Pro  
 20 25 30

Ala Pro Gln Gly Pro Pro Leu Pro Val Asn Phe Thr Pro Cys Ser Met  
 35 40 45

Tyr Phe Lys Pro Tyr Ile Leu Arg Met Phe Gln Thr Phe Gly Lys Thr  
 50 55 60

Pro Phe Met Cys Phe Ser Val Thr His Lys His Phe Ile Tyr Val Asp  
 65 70 75 80

Glu Glu Cys Thr Gln Ala Pro Phe Val Ile Pro Cys Pro Gln Gln Ala  
 85 90 95

Leu Asn Ser Asn Asn Asn Phe His Ser Phe Cys Ala Ser Leu Asn Ser  
 100 105 110

Ser Cys Leu Val Gly Ala Gln  
 115

<210> 95  
 <211> 289  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 95  
 Met Ser Val Pro Gly Arg Trp Pro Pro Ala Arg Trp Arg Leu Ser Ile  
 1 5 10 15

Leu Ala Val Ser Ile Met Pro Cys Val Cys Leu Ala Ser Leu Leu Gln  
 20 25 30

Ile Leu Trp Thr Arg Ser Ser Ser Pro Ala His His Leu Ala Ser Pro  
 35 40 45

Phe Leu Cys Val Gln Ile Trp Gln Cys Gly Gly Xaa Leu Glu Thr His  
 50 55 60

Pro Cys Ser His Val Gly His Val Phe Pro Lys Gln Ala Pro Tyr Ser  
 65 70 75 80

Arg Asn Lys Ala Leu Ala Asn Ser Val Arg Ala Ala Glu Val Trp Met  
 85 90 95  
 Asp Glu Phe Lys Glu Leu Tyr Tyr His Arg Asn Pro Arg Ala Arg Leu  
 100 105 110  
 Glu Pro Phe Gly Asp Val Thr Glu Arg Lys Gln Leu Arg Asp Lys Leu  
 115 120 125  
 Gln Cys Lys Asp Phe Lys Trp Phe Leu Glu Thr Val Tyr Pro Glu Leu  
 130 135 140  
 His Val Pro Glu Asp Arg Pro Gly Phe Phe Gly Met Leu Gln Asn Lys  
 145 150 155 160  
 Gly Leu Thr Asp Tyr Cys Phe Asp Tyr Asn Pro Pro Asp Glu Asn Gln  
 165 170 175  
 Ile Val Gly His Gln Val Ile Leu Tyr Leu Cys His Gly Met Gly Gln  
 180 185 190  
 Asn Gln Phe Phe Glu Tyr Thr Ser Gln Lys Glu Ile Arg Tyr Asn Thr  
 195 200 205  
 His Gln Pro Glu Gly Cys Ile Ala Val Glu Ala Gly Met Asp Thr Leu  
 210 215 220  
 Ile Met His Leu Cys Glu Glu Thr Ala Pro Glu Asn Gln Lys Phe Ile  
 225 230 235 240  
 Leu Gln Glu Asp Gly Ser Leu Phe His Glu Gln Ser Lys Lys Cys Val  
 245 250 255  
 Gln Ala Ala Arg Lys Glu Ser Ser Asp Ser Phe Val Pro Leu Leu Arg  
 260 265 270  
 Asp Cys Thr Asn Ser Asp His Gln Lys Trp Phe Phe Lys Glu Arg Met  
 275 280 285  
 Leu

<210> 96  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens  
 <400> 96  
 Met Tyr Val Phe Phe Leu Phe Ser Leu Val Leu His Leu Asn Cys  
 1 5 10 15  
 Pro Gln Ser Ala Pro His Gln Pro Cys Val Thr Pro Ser Thr His Lys  
 20 25 30  
 Thr Glu Gln Lys Thr Pro Ser Leu Ser Trp Ser Pro Leu Gly Met Gly  
 35 40 45

<210> 97  
 <211> 117  
 <212> PRT  
 <213> Homo sapiens

<400> 97  
 Met Asp Thr Phe Cys Val Leu Ile Leu Cys Val Tyr Thr Cys Ala Ala  
 1 5 10 15  
 His Met Ser Ile His Arg Cys Val Cys Ile Leu Cys Val Tyr Phe Val  
 20 25 30  
 His Leu Trp Met Cys Val Cys Thr Ile Glu Ser Ile Ser Arg Arg Glu  
 35 40 45  
 Arg Glu Cys Val Cys Val Cys His Val Trp Met Cys Gly Tyr Ser  
 50 55 60  
 Met Ser Val Phe Arg Val Gln Val Tyr Gly Cys Ser Cys Ala Val Cys  
 65 70 75 80  
 Val Cys Ala His Thr His Ser Ala Ser Leu Cys Val Cys Met Cys Ile  
 85 90 95  
 Pro Cys Val Pro Met Tyr Arg Gly Cys Val Tyr Pro Ala Cys Leu Cys  
 100 105 110  
 Met Gly Glu His Met  
 115

<210> 98  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 98  
 Met Ser Thr Val Thr Trp Leu Leu Lys Leu Phe Thr Gln Phe Met Phe  
 1 5 10 15  
 Pro Pro Thr Val Ser Asn Ser His Thr Cys Ala Arg Tyr Tyr Val Phe  
 20 25 30  
 Asn Phe Cys Leu Ile Ile Ser Phe Asn Phe Asn Phe His Tyr His Trp  
 35 40 45

<210> 99  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<400> 99  
 Met Gln Ala Gln Phe Cys Cys Ser Ala Val Cys Ser Ala Phe Leu His  
 1 5 10 15  
 Ile Leu Ala Ser Pro Ser Gly Ala Lys Met Ala Ala Ala Phe Gln Ala

20

25

30

Ser His Pro Asp Ser Asp Pro Glu Lys Leu Pro Ile Pro Thr Trp Val  
 35 40 45

Ser Leu Cys Arg Asn Glu Lys Pro His Pro Ala Ala Glu Thr Ser Pro  
 50 55 60

Ser Ser Val Phe Ser Gly Leu Ile His Gln Arg Arg Pro Pro Leu Asn  
 65 70 75 80

Gln Ser Leu Ala Lys Arg Met Gly Pro Pro Gly Arg Leu Asp Gln Thr  
 85 90 95

Gly Pro Ala Leu Trp Gly Trp Gly Glu Ala Gln Met Lys Ala Ala Gly  
 100 105 110

Gln Asp Gly Leu Leu Asp Leu Cys Tyr Gln Gln  
 115 120

<210> 100

<211> 131

<212> PRT

<213> Homo sapiens

<400> 100

Met Ile Thr Lys Pro Ser Lys Arg Gly Ile Ile Tyr Cys Leu Pro Leu  
 1 5 10 15

Leu Phe Gln Leu Ser His Leu Ser Leu Ala Asn Leu Phe Leu Thr Ser  
 20 25 30

Leu Thr Ser Pro His Leu Thr Glu Phe Phe His Leu Leu Cys Gln Thr  
 35 40 45

Thr Gly Tyr Ser Asp Asp Asn Leu Leu Ser Leu Pro Val Ser Ser Gln  
 50 55 60

Thr Lys Ala Cys Phe Thr Lys Trp Gly Val Ser Ala Ala Ser Ser Ser  
 65 70 75 80

Pro Leu Thr His Ser Cys Ser Ala Arg Gly Ser Gly Arg Val Ser Glu  
 85 90 95

His Arg Cys Gly Met Gln Ser Pro Arg Pro His Ala His Pro Ser Phe  
 100 105 110

Ser Cys Thr Ser Ala Asn Ser Ser Trp Leu Thr Cys Ala Ser Trp Leu  
 115 120 125

Glu Ser Leu  
 130

<210> 101

<211> 333

<212> PRT

<213> Homo sapiens

<400> 101

EQUUS 2000 3526260

Met Ser Pro Trp Ser Trp Phe Leu Leu Gln Thr Leu Cys Leu Leu Pro  
 1 5 10 15

Thr Gly Ala Ala Ser Arg Arg Gly Ala Pro Gly Thr Ala Asn Cys Glu  
 20 25 30

Leu Lys Pro Gln Gln Ser Glu Leu Asn Ser Phe Leu Trp Thr Ile Lys  
 35 40 45

Arg Asp Pro Pro Ser Tyr Phe Phe Gly Thr Ile His Val Pro Tyr Thr  
 50 55 60

Arg Val Trp Asp Phe Ile Pro Asp Asn Ser Lys Glu Ala Phe Leu Gln  
 65 70 75 80

Ser Ser Ile Val Tyr Phe Glu Leu Asp Leu Thr Asp Pro Tyr Thr Ile  
 85 90 95

Ser Ala Leu Thr Ser Cys Gln Met Leu Pro Gln Gly Glu Asn Leu Gln  
 100 105 110

Asp Val Leu Pro Arg Asp Ile Tyr Cys Arg Leu Lys Arg His Leu Glu  
 115 120 125

Tyr Val Lys Leu Met Met Pro Leu Trp Met Thr Pro Asp Gln Arg Gly  
 130 135 140

Lys Gly Leu Tyr Ala Asp Tyr Leu Phe Asn Ala Ile Ala Gly Asn Trp  
 145 150 155 160

Glu Arg Lys Arg Pro Val Trp Val Met Leu Met Val Asn Ser Leu Thr  
 165 170 175

Glu Val Asp Ile Lys Ser Arg Gly Val Pro Val Leu Asp Leu Phe Leu  
 180 185 190

Ala Gln Glu Ala Glu Arg Leu Arg Lys Gln Thr Gly Ala Val Glu Lys  
 195 200 205

Val Glu Glu Gln Cys His Pro Leu Asn Gly Leu Asn Phe Ser Gln Val  
 210 215 220

Ile Phe Ala Leu Asn Gln Thr Leu Leu Gln Gln Glu Ser Leu Arg Ala  
 225 230 235 240

Gly Ser Leu Gln Ile Pro Tyr Thr Thr Glu Asp Leu Ile Lys His Tyr  
 245 250 255

Asn Cys Gly Asp Leu Ser Ser Val Ile Leu Ser His Asp Ser Ser Gln  
 260 265 270

Val Pro Asn Phe Ile Asn Ala Thr Leu Pro Pro Gln Glu Arg Ile Thr  
 275 280 285

Ala Gln Glu Ile Asp Ser Tyr Leu Arg Arg Glu Leu Ile Tyr Lys Arg  
 290 295 300

Asn Glu Arg Ile Gly Lys Arg Val Lys Ala Leu Leu Glu Glu Phe Pro  
 305 310 315 320

Asp Lys Gly Phe Phe Ala Phe Gly Ala Ala Ser Gln

325

330

<210> 102  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 102  
 Met Thr Trp Thr Lys Cys Pro Leu Pro Leu Gly Pro Ala Phe Phe Thr  
 1 5 10 15

Gln Cys Cys Leu Ile Gly Leu Leu Val Pro Leu Leu Gly Trp Gly Asn  
 20 25 30

Gln Asn Thr Gln Trp Tyr Pro Thr Ser Lys Met Pro Asp Leu Lys Asp  
 35 40 45

Ser Lys Thr Thr Asp Leu Cys Gln His Val Lys His Met Val  
 50 55 60

<210> 103  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 103  
 Met Ser Glu Thr Phe Leu Glu Ser Val Asn Leu Leu Leu Val Ile Pro  
 1 5 10 15

Val Ala Thr Thr Leu Ile Ser Trp Met Ala Pro Arg Lys Lys Glu Ser  
 20 25 30

Phe Gln Glu Leu Ser Arg Gln Val Val Pro Cys Gln Met Met Leu Leu  
 35 40 45

Ser Thr Val Leu Pro Cys Leu Thr His Pro Arg Ile Lys Lys Gly Val  
 50 55 60

Leu Arg Phe Pro Gly Val Thr Leu Trp Leu Tyr Leu Arg Pro Phe Gln  
 65 70 75 80

Phe Tyr Gln Phe Ile Pro Met Asp His Arg Ser Leu Asp Ser Gln Phe  
 85 90 95

Arg Met Arg

<210> 104  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<400> 104  
 Met Gly Ala Asn Phe Thr Val Phe Leu Gln Tyr Leu Val Phe Pro Ile  
 1 5 10 15

Phe Gly Phe Leu Leu Ile Ile Ser His Pro Ser Gln Pro Leu Phe Ser  
 20 25 30

Ser Pro Pro Leu Cys Leu Gln His Pro Ile Leu Pro Ser Leu Pro Phe  
 35 40 45

Asn Leu Pro Ile Leu Phe Phe Pro Leu Lys Ser His Met Ile Leu Gln  
 50 55 60

Ser Ser Phe Val Phe Pro Lys Lys Lys Asn Phe Phe Phe Lys  
 65 70 75 80

Glu Ser Phe Leu Asp Ser  
 85

<210> 105

<211> 82

<212> PRT

<213> Homo sapiens

<400> 105

Met Val Leu Arg Thr Asp Ser Val Pro Ala Leu Phe Thr Tyr Leu Ser  
 1 5 10 15

Thr Phe Trp Leu Ala Phe Ile Ser Gly Leu Ala Asp Ile Leu Thr Leu  
 20 25 30

Cys Thr Lys Met Ala Asp Thr Ile Ile Phe His His Ile Leu Gln Lys  
 35 40 45

Ile Leu Leu Leu Lys Asn Thr Leu Arg Asn Met Phe Tyr Gly Gln Ile  
 50 55 60

Ser Leu Gly Asn Ser Glu Leu Leu Phe Leu Leu Cys Arg Ile Thr Met  
 65 70 75 80

His Cys

<210> 106

<211> 44

<212> PRT

<213> Homo sapiens

<400> 106

Met Arg Pro Asn Val Leu Gln Val Ala Phe Pro Ile Ser Thr His Arg  
 1 5 10 15

Cys Val Arg Pro Ser Cys Trp Leu Leu Phe Ile Leu Phe Arg Leu Leu  
 20 25 30

Pro Ile Met Ile Ser Gln Pro Gly Cys Asn Ser Cys  
 35 40

<210> 107

<211> 227

<212> PRT

<213> Homo sapiens

<220>

&lt;221&gt; SITE

&lt;222&gt; (125)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 107

Met	Gly	Trp	Thr	Met	Arg	Leu	Val	Thr	Ala	Ala	Leu	Leu	Gly	Leu
1				5				10					15	

Met	Met	Val	Val	Thr	Gly	Asp	Glu	Asp	Glu	Asn	Ser	Pro	Cys	Ala	His
				20			25			30					

Glu	Ala	Leu	Leu	Asp	Glu	Asp	Thr	Leu	Phe	Cys	Gln	Gly	Leu	Glu	Val
				35			40			45					

Phe	Tyr	Pro	Glu	Leu	Gly	Asn	Ile	Gly	Cys	Lys	Val	Val	Pro	Asp	Cys
				50			55			60					

Asn	Asn	Tyr	Arg	Gln	Lys	Ile	Thr	Ser	Trp	Met	Glu	Pro	Ile	Val	Lys
				65		70			75			80			

Phe	Pro	Gly	Ala	Val	Asp	Gly	Ala	Thr	Tyr	Ile	Leu	Val	Met	Val	Asp
				85			90			95					

Pro	Asp	Ala	Pro	Ser	Arg	Ala	Glu	Pro	Arg	Gln	Arg	Phe	Trp	Arg	His
				100			105			110					

Trp	Leu	Val	Thr	Asp	Ile	Lys	Gly	Ala	Asp	Leu	Lys	Xaa	Gly	Lys	Ile
				115		120				125					

Gln	Gly	Gln	Glu	Leu	Ser	Ala	Tyr	Gln	Ala	Pro	Ser	Pro	Pro	Ala	His
				130		135			140						

Ser	Gly	Phe	His	Arg	Tyr	Gln	Phe	Phe	Val	Tyr	Leu	Gln	Glu	Gly	Lys
				145		150			155			160			

Val	Ile	Ser	Leu	Leu	Pro	Lys	Glu	Asn	Lys	Thr	Arg	Gly	Ser	Trp	Lys
				165			170			175					

Met	Asp	Arg	Phe	Leu	Asn	Arg	Phe	His	Leu	Gly	Glu	Pro	Glu	Ala	Ser
				180			185			190					

Thr	Gln	Phe	Met	Thr	Gln	Asn	Tyr	Gln	Asp	Ser	Pro	Thr	Leu	Gln	Ala
				195		200				205					

Pro	Arg	Glu	Arg	Ala	Ser	Glu	Pro	Lys	His	Lys	Asn	Gln	Ala	Glu	Ile
				210		215			220						

Ala Ala Cys  
225

&lt;210&gt; 108

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 108

Met	Gly	Ala	Arg	Thr	Pro	His	Trp	Gly	Gln	Gly	Gln	Cys	Trp	Arg	Ile
1			5				10					15			

Leu Ile Pro Phe Leu Leu Ser Phe Thr Phe Val Phe Asn Leu Gly Val

20

25

30

Arg Gly Glu Ala Leu Leu Gly Asn Ile Ser Arg Ala Phe Leu His Leu  
 35 40 45

Pro Trp Phe Pro Ala Gln Pro Lys Ile Ile Trp Gln Pro Ser Gly Trp  
 50 55 60

Asn  
 65

<210> 109  
 <211> 209  
 <212> PRT  
 <213> Homo sapiens

<400> 109  
 Met Glu Pro Leu Ala Ala Tyr Pro Leu Lys Cys Ser Gly Pro Arg Ala  
 1 5 10 15

Lys Val Phe Ala Val Leu Leu Ser Ile Val Leu Cys Thr Val Thr Leu  
 20 25 30

Phe Leu Leu Gln Leu Lys Phe Leu Lys Pro Lys Ile Asn Ser Phe Tyr  
 35 40 45

Ala Phe Glu Val Lys Asp Ala Lys Gly Arg Thr Val Ser Leu Glu Lys  
 50 55 60

Tyr Lys Gly Lys Val Ser Leu Val Val Asn Val Ala Ser Asp Cys Gln  
 65 70 75 80

Leu Thr Asp Arg Asn Tyr Leu Gly Leu Lys Glu Leu His Lys Glu Phe  
 85 90 95

Gly Pro Ser His Phe Ser Val Leu Ala Phe Pro Cys Asn Gln Phe Gly  
 100 105 110

Glu Ser Glu Pro Arg Pro Ser Lys Glu Val Glu Ser Phe Ala Arg Lys  
 115 120 125

Asn Tyr Gly Val Thr Phe Pro Ile Phe His Lys Ile Lys Ile Leu Gly  
 130 135 140

Ser Glu Gly Glu Pro Ala Phe Arg Phe Leu Val Asp Ser Ser Lys Lys  
 145 150 155 160

Glu Pro Arg Trp Asn Phe Trp Lys Tyr Leu Val Asn Pro Glu Gly Gln  
 165 170 175

Val Val Lys Phe Trp Arg Pro Glu Glu Pro Ile Glu Val Ile Arg Pro  
 180 185 190

Asp Ile Ala Ala Leu Val Arg Gln Val Ile Ile Lys Lys Lys Glu Asp  
 195 200 205

Leu

<210> 110  
 <211> 215  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (102)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 110  
 Met Gln Ile Leu Gly Val Val Leu Thr Leu Leu Gly Trp Val Asn Gly  
 1 5 10 15

Leu Val Ser Cys Ala Leu Pro Met Trp Lys Val Thr Ala Phe Ile Gly  
 20 25 30

Asn Ser Ile Val Val Ala Gln Val Val Trp Glu Gly Leu Trp Met Ser  
 35 40 45

Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser  
 50 55 60

Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Cys Val  
 65 70 75 80

Ile Ala Leu Leu Val Ala Leu Phe Gly Leu Leu Val Tyr Leu Ala Gly  
 85 90 95

Ala Lys Cys Thr Thr Xaa Phe Tyr Xaa Lys Asp Ser Lys Ala Arg Leu  
 100 105 110

Val Leu Thr Ser Gly Ile Val Phe Val Ile Ser Gly Val Leu Thr Leu  
 115 120 125

Ile Pro Val Cys Trp Thr Ala His Ala Ile Ile Arg Asp Phe Tyr Asn  
 130 135 140

Pro Leu Val Ala Glu Ala Gln Lys Arg Glu Leu Gly Ala Ser Leu Tyr  
 145 150 155 160

Leu Gly Trp Ala Ala Ser Gly Leu Leu Leu Gly Gly Leu Leu  
 165 170 175

Cys Cys Thr Cys Pro Ser Gly Gly Ser Gln Gly Pro Ser His Tyr Met  
 180 185 190

Ala Arg Tyr Ser Thr Ser Ala Pro Ala Ile Ser Arg Gly Pro Ser Glu  
 195 200 205

Tyr Pro Thr Lys Asn Tyr Val  
 210 215

<210> 111  
 <211> 276

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 111

Met	Glu	Ser	Arg	Met	Trp	Pro	Ala	Leu	Leu	Leu	Ser	His	Leu	Leu	Pro
1								5		10			15		

Leu	Trp	Pro	Leu	Leu	Leu	Leu	Pro	Leu	Pro	Pro	Pro	Ala	Gln	Gly	Ser
								20	25			30			

Ser	Ser	Ser	Pro	Arg	Thr	Pro	Pro	Gly	Pro	Ala	Arg	Pro	Pro	Cys	Ala
								35	40		45				

Arg	Gly	Gly	Pro	Ser	Ala	Pro	Arg	His	Val	Cys	Val	Trp	Glu	Arg	Ala
								50	55		60				

Pro	Pro	Pro	Ser	Arg	Ser	Pro	Arg	Val	Pro	Arg	Ser	Arg	Arg	Gln	Val
								65	70		75		80		

Leu	Pro	Gly	Thr	Ala	Pro	Pro	Ala	Thr	Pro	Ser	Gly	Phe	Glu	Glu	Gly
								85	90		95				

Pro	Pro	Ser	Ser	Gln	Tyr	Pro	Trp	Ala	Ile	Val	Trp	Gly	Pro	Thr	Val
								100	105		110				

Ser	Arg	Glu	Asp	Gly	Asp	Pro	Asn	Ser	Ala	Asn	Pro	Gly	Phe	Leu
								115	120		125			

Asp	Tyr	Gly	Phe	Ala	Ala	Pro	His	Gly	Leu	Ala	Thr	Pro	His	Pro	Asn
								130	135		140				

Ser	Asp	Ser	Met	Arg	Gly	Asp	Gly	Asp	Gly	Leu	Ile	Leu	Gly	Glu	Ala
								145	150		155		160		

Pro	Ala	Thr	Leu	Arg	Ser	Phe	Leu	Phe	Gly	Arg	Gly	Glu	Gly	Val
								165	170		175			

Asp	Pro	Gln	Leu	Tyr	Val	Thr	Ile	Thr	Ile	Ser	Ile	Ile	Val	Leu
								180	185		190			

Val	Ala	Thr	Gly	Ile	Ile	Phe	Lys	Phe	Cys	Trp	Asp	Arg	Ser	Gln	Lys
								195	200		205				

Arg	Arg	Arg	Pro	Ser	Gly	Gln	Gln	Gly	Ala	Leu	Arg	Gln	Glu	Glu	Ser
								210	215		220				

Gln	Gln	Pro	Leu	Thr	Asp	Leu	Ser	Pro	Ala	Gly	Val	Thr	Val	Leu	Gly
								225	230		235		240		

Ala	Phe	Gly	Asp	Ser	Pro	Thr	Pro	Thr	Pro	Asp	His	Asp	Glu	Pro	Arg
								245	250		255				

Gly	Gly	Pro	Arg	Pro	Gly	Met	Pro	His	Pro	Lys	Gly	Ala	Pro	Ala	Phe
								260	265		270				

Gln	Leu	Asn	Arg
		275	

&lt;210&gt; 112

&lt;211&gt; 86

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 112

Met	Arg	Leu	Val	Thr	Ala	Ala	Leu	Leu	Leu	Gly	Leu	Met	Met	Val	Val
1															
							5							10	

Thr	Gly	Asp	Glu	Asp	Glu	Asn	Ser	Pro	Cys	Ala	His	Glu	Ala	Leu	Leu	
														20	25	30

Asp	Glu	Asp	Thr	Leu	Phe	Cys	Gln	Gly	Leu	Glu	Val	Phe	Tyr	Pro	Glu	
														35	40	45

Leu	Gly	Asn	Ile	Gly	Cys	Lys	Val	Val	Pro	Asp	Cys	Asn	Asn	Tyr	Arg	
														50	55	60

Gln	Lys	Ile	Thr	Ser	Trp	Met	Glu	Ala	Asp	Ser	Gln	Val	Pro	Gly	Gly		
														65	70	75	80

Arg	Gly	Arg	Arg	Asn	Leu										
															85

&lt;210&gt; 113

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 113

Ala	Ala	Pro	Asp	Gly	Gly	Thr	Met	Ser	Ser	Ser	Gly	Gly	Ala	Pro	Gly	
1															10	15

Ala	Ser	Ala	Ser	Ser	Ala	Pro	Pro	Ala	Gln	Glu	Glu	Gly				
															20	25

&lt;210&gt; 114

&lt;211&gt; 191

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 114

Arg	Arg	Arg	Arg	Asn	Gln	Asp	Arg	Pro	Gln	Leu	Xaa	Lys	Lys	Phe	Cys	
1															10	15

Glu	Ala	Ser	Trp	Arg	Phe	Leu	Phe	Tyr	Leu	Ser	Ser	Phe	Val	Gly	Gly		
															20	25	30

Leu	Ser	Val	Leu	Tyr	His	Glu	Ser	Trp	Leu	Trp	Ala	Pro	Val	Met	Cys		
															35	40	45

Trp	Asp	Arg	Tyr	Pro	Asn	Gln	Thr	Leu	Lys	Pro	Ser	Leu	Tyr	Trp	Trp		
															50	55	60

Tyr	Leu	Leu	Glu	Leu	Gly	Phe	Tyr	Leu	Ser	Leu	Leu	Ile	Arg	Leu	Pro			
															65	70	75	80

Phe Asp Val Lys Arg Lys Asp Phe Lys Glu Gln Val Ile His His Phe  
 85 90 95

Val Ala Val Ile Leu Met Thr Phe Ser Tyr Ser Ala Asn Leu Leu Arg  
 100 105 110

Ile Gly Ser Leu Val Leu Leu His Asp Ser Ser Asp Tyr Leu Leu  
 115 120 125

Glu Ala Cys Lys Met Val Asn Tyr Met Gln Tyr Gln Gln Val Cys Asp  
 130 135 140

Ala Leu Phe Leu Ile Phe Ser Phe Val Phe Phe Tyr Thr Arg Leu Val  
 145 150 155 160

Leu Phe Pro Thr Gln Ile Leu Tyr Thr Tyr Tyr Glu Ser Ile Ser  
 165 170 175

Asn Arg Gly Pro Phe Phe Gly Tyr Tyr Phe Phe Asn Gly Leu Leu  
 180 185 190

<210> 115

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 115.

Arg Arg Arg Arg Asn Gln Asp Arg Pro Gln Leu Xaa Lys Lys Phe Cys  
 1 5 10 15

Glu Ala Ser Trp Arg Phe Leu Phe Tyr Leu Ser Ser Phe Val Gly Gly  
 20 25 30

Leu Ser Val Leu Tyr His Glu Ser Trp Leu Trp Ala Pro Val  
 35 40 45

<210> 116

<211> 48

<212> PRT

<213> Homo sapiens

<400> 116

Met Cys Trp Asp Arg Tyr Pro Asn Gln Thr Leu Lys Pro Ser Leu Tyr  
 1 5 10 15

Trp Trp Tyr Leu Leu Glu Leu Gly Phe Tyr Leu Ser Leu Leu Ile Arg  
 20 25 30

Leu Pro Phe Asp Val Lys Arg Lys Asp Phe Lys Glu Gln Val Ile His  
 35 40 45

<210> 117  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 117  
 His Phe Val Ala Val Ile Leu Met Thr Phe Ser Tyr Ser Ala Asn Leu  
 1 5 10 15

Leu Arg Ile Gly Ser Leu Val Leu Leu His Asp Ser Ser Asp Tyr  
 20 25 30

Leu Leu Glu Ala Cys Lys Met Val Asn Tyr Met Gln Tyr Gln Gln  
 35 40 45

<210> 118  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 118  
 Val Cys Asp Ala Leu Phe Leu Ile Phe Ser Phe Val Phe Tyr Thr  
 1 5 10 15

Arg Leu Val Leu Phe Pro Thr Gln Ile Leu Tyr Thr Tyr Tyr Glu  
 20 25 30

Ser Ile Ser Asn Arg Gly Pro Phe Phe Gly Tyr Tyr Phe Phe Asn Gly  
 35 40 45

Leu Leu  
 50

<210> 119  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 119  
 Lys Thr Tyr Val Leu Pro Ser Pro Gly Leu Ser Ile Arg Pro Pro Gly  
 1 5 10 15

Arg Glu Val Pro Gly Ser His Pro Phe Pro Ala Pro Ala Leu Glu Thr  
 20 25 30

Ala Ala Pro Arg Leu Leu Arg Asp Ser Asp Ser  
 35 40

<210> 120  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (280)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 120

Lys Thr Tyr Val Leu Pro Ser Pro Gly Leu Ser Ile Arg Pro Pro Gly  
1 5 10 15

Arg Glu Val Pro Gly Ser His Pro Phe Pro Ala Pro Ala Leu Glu Thr  
20 25 30

Ala Ala Pro Arg Leu Leu Arg Asp Ser Asp Ser Met Lys Ala Pro Gly  
35 40 45

Arg Leu Val Leu Ile Ile Leu Cys Ser Val Val Phe Ser Ala Val Tyr  
50 55 60

Ile Leu Leu Cys Cys Trp Ala Gly Leu Pro Leu Cys Leu Ala Thr Cys  
65 70 75 80

Leu Asp His His Phe Pro Thr Gly Ser Arg Pro Thr Val Pro Gly Pro  
85 90 95

Leu His Phe Ser Gly Tyr Ser Ser Val Pro Asp Gly Lys Pro Leu Val  
100 105 110

Arg Glu Pro Cys Arg Ser Cys Ala Val Val Ser Ser Gly Gln Met  
115 120 125

Leu Gly Ser Gly Leu Gly Ala Glu Ile Asp Ser Ala Glu Cys Val Phe  
130 135 140

Arg Met Asn Gln Ala Pro Thr Val Gly Phe Glu Ala Asp Val Gly Gln  
145 150 155 160

Arg Ser Thr Leu Arg Val Val Ser His Thr Ser Val Pro Leu Leu  
165 170 175

Arg Asn Tyr Ser His Tyr Phe Gln Lys Ala Arg Asp Thr Leu Tyr Met  
180 185 190

Val Trp Gly Gln Gly Arg His Met Asp Arg Val Leu Gly Gly Arg Thr  
195 200 205

Tyr Arg Thr Leu Leu Gln Leu Thr Arg Met Tyr Pro Gly Leu Gln Val  
210 215 220

Tyr Thr Phe Thr Glu Arg Met Met Ala Tyr Cys Asp Gln Ile Phe Gln  
225 230 235 240

Asp Glu Thr Gly Lys Asn Arg Arg Gln Ser Gly Ser Phe Leu Ser Thr  
245 250 255

Gly Trp Phe Thr Met Ile Leu Ala Leu Glu Leu Cys Glu Glu Ile Val  
260 265 270

Val Tyr Gly Met Val Ser Asp Xaa Tyr Cys Arg Glu Lys Ser His Pro  
275 280 285

Ser Val Pro Tyr His Tyr Phe Glu Lys Gly Arg Leu Asp Glu Cys Gln  
290 295 300

Met Tyr Leu Ala His Glu Gln Ala Pro Arg Ser Ala His Arg Phe Ile

305	310	315	320
Thr Glu Lys Ala Val Phe Ser Arg Trp Ala Lys Lys Arg Pro Ile Val			
	325	330	335
Phe Ala His Pro Ser Trp Arg Thr Glu			
	340	345	

<210> 121  
<211> 966  
<212> DNA  
<213> *Homo sapiens*

<400> 121	ACATGGTGTG GGGCCAGGGC AGGCACATGG ACCGGGTGCT CGGCGGCCGC ACCTACCGCA	60
CGCTGCTGCA GCTCACCAAGG ATGTACCCCG GCCTGCAGGT GTACACCTTC ACGGAGCGCA	120	
TGATGGCCTA CTGCGACCAAG ATCTTCCAGG ACGAGACGGG CAAGAACCGG AGGCAGTCGG	180	
GCTCCTTCCT CAGCACCGGC TGTTTCACCA TGATCCTCGC GCTGGAGCTG TGTGAGGAGA	240	
TCGTGGTCTA TGGGATGGTC AGCGACACTA CTGCAGGGAG AAGAGCCACC CCTCAGTGCC	300	
TTACCACTAC TTTGAGAAGG GCCGGCTAGA TGAGTGTCAAG ATGTACCTGG CACACGAGCA	360	
GGCGCCCCGA AGCGCCCACC GCTTCATCAC TGAGAAGGCG GTCTTCTCCC GCTGGCCAA	420	
GAAGAGGCC C ATCGTGTTCG CCCATCCGTC CTGGAGGACT GAGTAGCTTC CGTCGTCTG	480	
CCAGCCGCCA TGCCGTTGCG AGGCCTCCGG GATGTCCCAT CCCAAGCCAT CACACTCCAC	540	
AAAAACATTT AATTTATGGT TCCTGCCCTC TGCCACGTGC TGGGTGGACC TAAGGTTCTT	600	
CCCACCCATT CTGGCGACAC TTGGAGCCAT CTCAGGCCCT TCCACTCCCT GAGTAATTCA	660	
TGGCATTGG GGGCTCACCC CACCTCCAGG TCTGTCAAGT GGCCTTTGTC CCTGGGGCTG	720	
ATGGCCCCCA ACTCACCAAGC ATCATGACCT TGTGCCAGTC CTGGTCTCC CTCCCCAGCC	780	
GCCCCCTACCA CCTTTTGGTG CCACACTTCT CAGGCTGGCC GCCCTGGTTG GGGCAGCCGA	840	
GAGCCTGGGG TTCATGGTG AAGGGGCCTT GGAGTTGTGA CTGCCCCGGC CGTATCAGGA	900	
ACGTACGGGT AAACGTGTGT TTTCTGGAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA	960	
AAAAAA		966

<210> 122  
<211> 185  
<212> PRT

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (100)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (103)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (135)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (160)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (161)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 122  
 Thr Arg Asn Lys Ile Trp Ser Ser Thr Arg Gly Gly Gly Arg Ser Arg  
 1 5 10 15

Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Arg Ser His Leu  
 20 25 30

Ala Ala Val His Met Ala Ala Trp Val Phe Pro Leu Leu Ser Val Ile  
 35 40 45

His Thr Xaa Leu Pro Gln Ala Ser Pro Glu Ile Trp Val Thr Gln Ser  
 50 55 60

Glu Gly Gly Asp Gln Gly Val Ala Cys Glu Xaa Val Gly Gly Val Leu  
 65 70 75 80

Ser Thr Leu Asp Arg Ile Glu Leu Cys Phe Leu Ser Asp Arg Ala Ser  
 85 90 95

Ser Gly Cys Xaa Asp Lys Xaa Pro Gln Thr Gly Val Leu Phe Leu Gly  
 100 105 110

Ala Gly Ile Cys His Glu Gly Val Gly Arg Ala Gly Ser Ser Arg Ala  
 115 120 125

Leu Ser Pro Gly Pro Ala Xaa Ala Val Phe Pro Ser Phe Pro Cys Ala  
 130 135 140

Phe Pro Gly Pro Ser Cys Val Cys Leu Cys Pro Arg Leu Ser Trp Xaa  
 145 150 155 160

Xaa Tyr Arg Ser Gln Gly Pro Trp Ser Tyr Trp Ile Arg Ala Thr Leu  
 165 170 175

Met Ala Ser Cys His Cys Ser Tyr Leu  
 180 185

<210> 123  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 123  
 Phe Leu Gly Val Leu Val Ser Ile Ile Met Leu Ser Pro Gly Val Glu  
 1 5 10 15

Ser Gln Leu Tyr Lys Leu Pro Trp Val Cys Glu Glu Gly Ala Gly Ile  
 20 25 30

Pro Thr Val Leu Gln Gly His Ile Asp Cys Gly Ser Leu Leu Gly Tyr  
 35 40 45

Arg Ala Val Tyr Arg  
 50

<210> 124  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 124  
 Pro Gly Ala Gly Arg Pro Lys Pro Gly Ala Ala Ala Met Gly Ala Cys  
 1 5 10 15

Leu Gly Ala Cys Ser Leu Leu Ser Cys Ala Ser Cys Leu Cys Gly Ser  
 20 25 30

Ala Pro Cys Ile Leu Cys Ser Cys Cys Pro Ala Ser Arg Xaa Ser Thr  
 35 40 45

Val Ser Arg Leu Ile Phe Thr Phe Phe Leu  
 50 55

<210> 125  
 <211> 468  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

&lt;221&gt; SITE

&lt;222&gt; (155)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 125

Pro Gly Ala Gly Arg Pro Lys Pro Gly Ala Ala Ala Met Gly Ala Cys  
1 5 10 15Leu Gly Ala Cys Ser Leu Leu Ser Cys Ala Ser Cys Leu Cys Gly Ser  
20 25 30Ala Pro Cys Ile Leu Cys Ser Cys Cys Pro Ala Ser Arg Xaa Ser Thr  
35 40 45Val Ser Arg Leu Ile Phe Thr Phe Phe Leu Phe Leu Gly Val Leu Val  
50 55 60Ser Ile Ile Met Leu Ser Pro Gly Val Glu Ser Gln Leu Tyr Lys Leu  
65 70 75 80Pro Trp Val Cys Glu Glu Gly Ala Gly Ile Pro Thr Val Leu Gln Gly  
85 90 95His Ile Asp Cys Gly Ser Leu Leu Gly Tyr Arg Ala Val Tyr Arg Met  
100 105 110Cys Phe Ala Thr Ala Ala Phe Phe Phe Phe Thr Leu Leu Met Leu  
115 120 125Cys Val Ser Ser Ser Arg Asp Pro Arg Ala Ala Ile Gln Asn Gly Phe  
130 135 140Trp Phe Phe Lys Phe Leu Ile Leu Val Gly Xaa Thr Val Gly Ala Phe  
145 150 155 160Tyr Ile Pro Asp Gly Ser Phe Thr Asn Ile Trp Phe Tyr Phe Gly Val  
165 170 175Val Gly Ser Phe Leu Phe Ile Leu Ile Gln Leu Val Leu Ile Asp  
180 185 190Phe Ala His Ser Trp Asn Gln Arg Trp Leu Gly Lys Ala Glu Glu Cys  
195 200 205Asp Ser Arg Ala Trp Tyr Ala Gly Leu Phe Phe Thr Leu Leu Phe  
210 215 220Tyr Leu Leu Ser Ile Ala Ala Val Ala Leu Met Phe Met Tyr Tyr Thr  
225 230 235 240Glu Pro Ser Gly Cys His Glu Gly Lys Val Phe Ile Ser Leu Asn Leu  
245 250 255Thr Phe Cys Val Cys Val Ser Ile Ala Ala Val Leu Pro Lys Val Gln  
260 265 270Asp Ala Gln Pro Asn Ser Gly Leu Leu Gln Ala Ser Val Ile Thr Leu  
275 280 285Tyr Thr Met Phe Val Thr Trp Ser Ala Leu Ser Ser Ile Pro Glu Gln  
290 295 300

Lys Cys Asn Pro His Leu Pro Thr Gln Leu Gly Asn Glu Thr Val Val  
 305 310 315 320  
 Ala Gly Pro Glu Gly Tyr Glu Thr Gln Trp Trp Asp Ala Pro Ser Ile  
 325 330 335  
 Val Gly Leu Ile Ile Phe Leu Leu Cys Thr Leu Phe Ile Ser Leu Arg  
 340 345 350  
 Ser Ser Asp His Arg Gln Val Asn Ser Leu Met Gln Thr Glu Glu Cys  
 355 360 365  
 Pro Pro Met Leu Asp Ala Thr Gln Gln Gln Gln Gln Val Ala Ala  
 370 375 380  
 Cys Glu Gly Arg Ala Phe Asp Asn Glu Gln Asp Gly Val Thr Tyr Ser  
 385 390 395 400  
 Tyr Ser Phe Phe His Phe Cys Leu Val Leu Ala Ser Leu His Val Met  
 405 410 415  
 Met Thr Leu Thr Asn Trp Tyr Lys Pro Gly Glu Thr Arg Lys Met Ile  
 420 425 430  
 Ser Thr Trp Thr Ala Val Trp Val Lys Ile Cys Ala Ser Trp Ala Gly  
 435 440 445  
 Leu Leu Leu Tyr Leu Trp Thr Leu Val Ala Pro Leu Leu Arg Asn  
 450 455 460  
 Arg Asp Phe Ser  
 465

&lt;210&gt; 126

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 126

Arg Cys Ser Ser Ile Phe Thr Pro Trp Lys Leu Thr Thr Leu Ser Ser  
 1 5 10 15

Phe Leu His His His Pro Gly Ala Gln Arg Ser Lys Leu Leu Ser Ile  
 20 25 30

Phe Ser Pro Ser Pro Arg Thr Leu Thr Leu Tyr Arg  
 35 40

&lt;210&gt; 127

&lt;211&gt; 155

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 127

Arg Cys Ser Ser Ile Phe Thr Pro Trp Lys Leu Thr Thr Leu Ser Ser  
 1 5 10 15

Phe Leu His His His Pro Gly Ala Gln Arg Ser Lys Leu Leu Ser Ile

20

25

30

Phe Ser Pro Ser Pro Arg Thr Leu Thr Leu Tyr Arg Met Gly Pro Ser  
 35 40 45

Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln Leu Ile Asn Leu  
 50 55 60

Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp Lys Lys Ile Lys  
 65 70 75 80

Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro Ile Ser Lys Lys  
 85 90 95

Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro Ser Ser Cys Pro  
 100 105 110

Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr Gly Cys Gly Ser  
 115 120 125

Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln Cys Ser Val Val  
 130 135 140

Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr  
 145 150 155

<210> 128

<211> 41

<212> PRT

<213> Homo sapiens

<400> 128

Ser Val Ser Thr Thr Arg Ser Phe Ser Val Asp Ser Ser Ala Lys Thr  
 1 5 10 15

Ala Ala Met Pro Val Thr Val Thr Arg Thr Thr Ile Thr Thr Thr Thr  
 20 25 30

Thr Ser Ser Ser Gly Leu Gly Ser Pro  
 35 40

<210> 129

<211> 17

<212> PRT

<213> Homo sapiens

<400> 129

Ser Thr Cys Val Ala Phe Ser Leu Val Ala Ser Val Gly Ala Trp Thr  
 1 5 10 15

Gly

<210> 130

<211> 8

<212> PRT

<213> Homo sapiens

<400> 130  
 Met Phe Thr Trp Cys Phe Cys Phe  
 1 5

<210> 131  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 131  
 Ile Leu Ile Val Glu Leu  
 1 5

<210> 132  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 132  
 Phe Pro Leu Ser Trp Arg Asn Phe Pro Ile Thr Phe Ala Cys Tyr Ala  
 1 5 10 15  
 Ala Leu Phe Cys Leu Ser  
 20

<210> 133  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 133  
 Ser Ile Ile Tyr Pro Thr Thr Tyr Val Gln Phe Leu  
 1 5 10

<210> 134  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 134  
 Arg Asp His Ala Ile Ala Ala Thr  
 1 5

<210> 135  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 135  
 Ala Tyr Ala Thr Glu Val Ala Trp Thr Arg Ala Arg Pro Gly Glu Ile  
 1 5 10 15  
 Thr Gly Tyr Met Ala Thr Val Pro Gly Leu Leu Lys Val  
 20 25

<210> 136  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 136  
 Glu Thr Phe Val Ala Cys Ile Ile Phe Ala Phe Ile  
 1 5 10

<210> 137  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 137  
 Ala Leu Glu Trp Cys Val Ala Val Tyr  
 1 5

<210> 138  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 138  
 Cys Thr Asn Val Leu Pro Ile Pro Phe Pro  
 1 5 10

<210> 139  
 <211> 442  
 <212> PRT  
 <213> Homo sapiens

<400> 139  
 Gly Leu Asp Thr Gly Glu Met Ser Asn Ser Thr Ser Ser Leu Lys Arg  
 1 5 10 15

Gln Arg Leu Gly Ser Glu Arg Ala Ala Ser His Val Ala Gln Ala Asn  
 20 25 30

Leu Lys Leu Leu Asp Val Ser Lys Ile Phe Pro Ile Ala Glu Ile Ala  
 35 40 45

Glu Glu Ser Ser Pro Glu Val Val Pro Val Glu Leu Leu Cys Met Pro  
 50 55 60

Ser Pro Ala Ser Gln Gly Asp Leu His Thr Lys Pro Leu Gly Thr Asp  
 65 70 75 80

Asp Asp Phe Trp Gly Pro Thr Gly Pro Val Ala Thr Glu Val Val Asp  
 85 90 95

Lys Glu Lys Asn Leu Tyr Arg Val His Phe Pro Val Ala Gly Ser Tyr  
 100 105 110

Arg Trp Pro Asn Thr Gly Leu Cys Phe Val Met Arg Glu Ala Val Thr  
 115 120 125

Val Glu Ile Glu Phe Cys Val Trp Asp Gln Phe Leu Gly Glu Ile Asn

130	135	140
Pro Gln His Ser Trp Met Val Ala Gly Pro Leu Leu Asp Ile Lys Ala		
145	150	155
Glu Pro Gly Ala Val Glu Ala Val His Leu Pro His Phe Val Ala Leu		
165	170	175
Gln Gly Gly His Val Asp Thr Ser Leu Phe Gln Val Ala His Phe Lys		
180	185	190
Glu Glu Gly Met Leu Leu Glu Lys Pro Ala Arg Val Glu Leu His His		
195	200	205
Ile Val Leu Glu Asn Pro Ser Phe Ser Pro Leu Gly Val Leu Leu Lys		
210	215	220
Met Ile His Asn Ala Leu Arg Phe Ile Pro Val Thr Ser Val Val Leu		
225	230	235
Leu Tyr His Arg Val His Pro Glu Glu Val Thr Phe His Leu Tyr Leu		
245	250	255
Ile Pro Ser Asp Cys Ser Ile Arg Lys Glu Leu Glu Leu Cys Tyr Arg		
260	265	270
Ser Pro Gly Glu Asp Gln Leu Phe Ser Glu Phe Tyr Val Gly His Leu		
275	280	285
Gly Ser Gly Ile Arg Leu Gln Val Lys Asp Lys Lys Asp Glu Thr Leu		
290	295	300
Val Trp Glu Ala Leu Val Lys Pro Gly Asp Leu Met Pro Ala Thr Thr		
305	310	315
Leu Ile Pro Pro Ala Arg Ile Ser Val Pro Ser Pro Leu Asp Ala Pro		
325	330	335
Gln Leu Leu His Phe Val Asp Gln Tyr Arg Glu Gln Leu Ile Ala Arg		
340	345	350
Val Thr Ser Val Glu Val Val Leu Asp Lys Leu His Gly Gln Val Leu		
355	360	365
Ser Gln Glu Gln Tyr Glu Arg Val Leu Ala Glu Asn Thr Arg Pro Ser		
370	375	380
Gln Met Arg Lys Leu Phe Ser Leu Ser Gln Ser Trp Asp Arg Lys Cys		
385	390	395
Lys Asp Gly Leu Tyr Gln Ala Leu Lys Glu Thr His Pro His Ser Leu		
405	410	415
Trp Asn Ser Gly Arg Arg Ala Ala Lys Arg Asp Ser Cys His Ser Ala		
420	425	430
Ala Glu Val Ser Thr Leu Ala Leu Asp Pro		
435	440	

<211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 140  
 Gly Leu Asp Thr Gly Glu Met Ser Asn Ser Thr Ser Ser Leu Lys Arg  
 1 5 10 15

Gln Arg Leu Gly Ser Glu Arg Ala Ala Ser His Val Ala Gln Ala Asn  
 20 25 30

Leu Lys Leu Leu Asp Val Ser Lys Ile Phe Pro Ile Ala Glu Ile Ala  
 35 40 45

Glu Glu Ser Ser Pro Glu Val Val Pro Val Glu Leu Leu Cys Met Pro  
 50 55 60

BIOLOGICAL ASPECTS OF PROTEIN

<210> 141  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<400> 141  
 Ser Pro Ala Ser Gln Gly Asp Leu His Thr Lys Pro Leu Gly Thr Asp  
 1 5 10 15

Asp Asp Phe Trp Gly Pro Thr Gly Pro Val Ala Thr Glu Val Val Asp  
 20 25 30

Lys Glu Lys Asn Leu Tyr Arg Val His Phe Pro Val Ala Gly Ser Tyr  
 35 40 45

Arg Trp Pro Asn Thr Gly Leu Cys Phe Val Met Arg Glu  
 50 55 60

<210> 142  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<400> 142  
 Ala Val Thr Val Glu Ile Glu Phe Cys Val Trp Asp Gln Phe Leu Gly  
 1 5 10 15

Glu Ile Asn Pro Gln His Ser Trp Met Val Ala Gly Pro Leu Leu Asp  
 20 25 30

Ile Lys Ala Glu Pro Gly Ala Val Glu Ala Val His Leu Pro His Phe  
 35 40 45

Val Ala Leu Gln Gly Gly His Val Asp Thr Ser Leu Phe Gln Val  
 50 55 60

<210> 143  
 <211> 65

<212> PRT  
 <213> Homo sapiens

<400> 143  
 Ala His Phe Lys Glu Glu Gly Met Leu Leu Glu Lys Pro Ala Arg Val  
 1 5 10 15

Glu Leu His His Ile Val Leu Glu Asn Pro Ser Phe Ser Pro Leu Gly  
 20 25 30

Val Leu Leu Lys Met Ile His Asn Ala Leu Arg Phe Ile Pro Val Thr  
 35 40 45

Ser Val Val Leu Leu Tyr His Arg Val His Pro Glu Glu Val Thr Phe  
 50 55 60

His  
 65

<210> 144

<211> 65

<212> PRT

<213> Homo sapiens

<400> 144  
 Leu Tyr Leu Ile Pro Ser Asp Cys Ser Ile Arg Lys Glu Leu Glu Leu  
 1 5 10 15

Cys Tyr Arg Ser Pro Gly Glu Asp Gln Leu Phe Ser Glu Phe Tyr Val  
 20 25 30

Gly His Leu Gly Ser Gly Ile Arg Leu Gln Val Lys Asp Lys Lys Asp  
 35 40 45

Glu Thr Leu Val Trp Glu Ala Leu Val Lys Pro Gly Asp Leu Met Pro  
 50 55 60

Ala  
 65

<210> 145

<211> 65

<212> PRT

<213> Homo sapiens

<400> 145  
 Thr Thr Leu Ile Pro Pro Ala Arg Ile Ser Val Pro Ser Pro Leu Asp  
 1 5 10 15

Ala Pro Gln Leu Leu His Phe Val Asp Gln Tyr Arg Glu Gln Leu Ile  
 20 25 30

Ala Arg Val Thr Ser Val Glu Val Val Leu Asp Lys Leu His Gly Gln  
 35 40 45

Val Leu Ser Gln Glu Gln Tyr Glu Arg Val Leu Ala Glu Asn Thr Arg  
 50 55 60

Pro

65

<210> 146  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<400> 146  
 Ser Gln Met Arg Lys Leu Phe Ser Leu Ser Gln Ser Trp Asp Arg Lys  
 1 5 10 15

Cys Lys Asp Gly Leu Tyr Gln Ala Leu Lys Glu Thr His Pro His Ser  
 20 25 30

Leu Trp Asn Ser Gly Arg Arg Ala Ala Lys Arg Asp Ser Cys His Ser  
 35 40 45

Ala Ala Glu Val Ser Thr Leu Ala Leu Asp Pro  
 50 55

<210> 147  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 147  
 Ser Glu Gln Leu Pro Thr Ile Ala Gln Ile His Pro Ala Glu Ala Met  
 1 5 10 15

Phe Leu

<210> 148  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 148  
 Tyr Ser Ser Pro Ala Cys Gln His Asp Gln Ala Pro Leu Leu Pro Leu  
 1 5 10 15

Asp Val Thr Asp  
 20

<210> 149  
 <211> 85  
 <212> PRT  
 <213> Homo sapiens

<400> 149  
 Ala Pro His Arg Ser Gly Ala Ala His Ser Ser Ala Arg Cys Gly Leu  
 1 5 10 15

Ser Ala Ala Glu Arg Pro Arg Gln Phe Arg Thr Lys Arg Cys Gly Gln  
 20 25 30

Ala Thr Gly Pro Ala Gly Asn Ile Met Ala Glu Lys Val Asn Asn Phe

35

40

45

Pro Pro Leu Pro Lys Phe Ile Pro Leu Lys Pro Cys Phe Tyr Gln Asp  
 50 55 60

Phe Glu Ala Asp Ile Pro Pro Gln His Val Ser Met Thr Lys Arg Leu  
 65 70 75 80

Tyr Tyr Leu Trp Met  
 85

&lt;210&gt; 150

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 150

Gly Ala Ala His Ser Ser Ala Arg Cys Gly Leu Ser Ala Ala Glu Arg  
 1 5 10 15

Pro Arg Gln Phe  
 20

&lt;210&gt; 151

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 151

Ala Thr Gly Pro Ala Gly Asn Ile Met Ala Glu Lys Val Asn Asn Phe  
 1 5 10 15

Pro Pro Leu Pro Lys Phe Ile  
 20

&lt;210&gt; 152

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 152

Ile Pro Pro Gln His Val Ser Met Thr Lys Arg Leu Tyr  
 1 5 10

&lt;210&gt; 153

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 153

His His Gly Arg Glu Ser Glu Gln Leu Pro Thr Ile Ala Gln Ile His  
 1 5 10 15

Pro Ala Glu Ala Met Phe Leu Pro Arg Leu Arg Gly Arg Tyr Ser Ser  
 20 25 30

Pro Ala Cys Gln His Asp Gln Ala Pro Leu Leu Pro Leu Asp Val Thr

35

40

45

Asp Ser Ser Phe Ser Phe Met Ala Phe Phe Thr Phe Met Ala Gln  
 50 55 60

Leu Val Ile Ser Ile Ile Gln Ala Val Gly Ile Pro Gly Trp Gly Val  
 65 70 75 80

Cys Gly Trp Ile Ala Thr Ile Ser Phe Phe Gly Thr Asn Ile Gly Ser  
 85 90 95

Ala Val Val Met Leu Ile Pro Thr Val Met Phe Thr Val Met Ala Val  
 100 105 110

Phe Ser Phe Ile Ala Leu Ser Met Val His Lys Phe Tyr Arg Gly Ser  
 115 120 125

Gly Gly Ser Phe Ser Lys Ala Gln Glu Glu Trp Thr Thr Gly Ala Trp  
 130 135 140

Lys Asn Pro His Val Gln Gln Ala Ala Gln Asn Ala Ala Met Gly Ala  
 145 150 155 160

Ala Gln Gly Ala Met Asn Gln Pro Gln Thr Gln Tyr Ser Ala Thr Pro  
 165 170 175

Asn Tyr Thr Tyr Ser Asn Glu Met  
 180

<210> 154

<211> 6

<212> PRT

<213> Homo sapiens

<400> 154

Ala Arg Glu Ser Ser Asn

1 5

<210> 155

<211> 120

<212> PRT

<213> Homo sapiens

<400> 155

Arg Asn Cys Thr Lys Ser Leu Asp His Pro Thr Ser Ala Cys Trp Leu  
 1 5 10 15

Phe Pro Asp Asn Gln Phe Gly Glu Ser Glu Pro Arg Pro Ser Lys Glu  
 20 25 30

Val Glu Ser Phe Ala Arg Lys Asn Tyr Gly Val Thr Phe Pro Ile Phe  
 35 40 45

His Lys Ile Lys Ile Leu Gly Ser Glu Gly Glu Pro Ala Phe Arg Phe  
 50 55 60

Leu Val Asp Ser Ser Lys Lys Glu Pro Arg Trp Asn Phe Trp Lys Tyr  
 65 70 75 80

Leu Val Asn Pro Glu Gly Gln Val Val Lys Phe Trp Arg Pro Glu Glu  
 85 90 95

Pro Ile Glu Val Ile Arg Pro Asp Ile Ala Ala Leu Val Arg Gln Val  
 100 105 110

Ile Ile Lys Lys Lys Glu Asp Leu  
 115 120

<210> 156

<211> 24

<212> PRT

<213> Homo sapiens

<400> 156

Ala Cys Trp Leu Phe Pro Asp Asn Gln Phe Gly Glu Ser Glu Pro Arg  
 1 5 10 15

Pro Ser Lys Glu Val Glu Ser Phe  
 20

<210> 157

<211> 22

<212> PRT

<213> Homo sapiens

<400> 157

Glu Gly Glu Pro Ala Phe Arg Phe Leu Val Asp Ser Ser Lys Lys Glu  
 1 5 10 15

Pro Arg Trp Asn Phe Trp  
 20

<210> 158

<211> 20

<212> PRT

<213> Homo sapiens

<400> 158

Lys Phe Trp Arg Pro Glu Glu Pro Ile Glu Val Ile Arg Pro Asp Ile  
 1 5 10 15

Ala Ala Leu Val  
 20

<210> 159

<211> 48

<212> PRT

<213> Homo sapiens

<400> 159

Val Leu Asn Gly Lys Ile Leu Val Asp Ile Ser Asn Asn Leu Lys Ile  
 1 5 10 15

Asn Gln Tyr Pro Glu Ser Asn Ala Glu Tyr Leu Ala His Leu Val Pro  
 20 25 30

Gly Ala His Val Val Lys Ala Phe Asn Thr Ile Ser Ala Trp Ala Leu  
 35 40 45

<210> 160  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 160  
 Gln Ser Gly Ala Leu Asp Ala Ser Arg Gln Val Phe Val Cys Gly Asn  
 1 5 10 15

Asp Ser Lys Ala Lys Gln Arg Val Met Asp Ile Val Arg Asn Leu Gly  
 20 25 30

Leu Thr Pro Met Asp Gln Gly Ser Leu Met Ala Ala Lys Glu Ile  
 35 40 45

<210> 161  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 161  
 Glu Lys Tyr Pro Leu Gln Leu Phe Pro Met Trp Arg Phe Pro Phe Tyr  
 1 5 10 15

Leu Ser Ala Val Leu Cys Val Phe Leu Phe Phe Tyr Cys Val Ile Arg  
 20 25 30

Asp Val Ile Tyr Pro Tyr Val Tyr Glu Lys Lys Asp Asn Thr Phe Arg  
 35 40 45

<210> 162  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (179)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (210)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (213)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (214)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (225)  
 <223> Xaa equals any of the naturally occurring L-amino acids.

<220>  
 <221> SITE  
 <222> (235)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 162  
 Val Leu Asn Gly Lys Ile Leu Val Asp Ile Ser Asn Asn Leu Lys Ile  
 1 5 10 15

Asn Gln Tyr Pro Glu Ser Asn Ala Glu Tyr Leu Ala His Leu Val Pro  
 20 25 30

Gly Ala His Val Val Lys Ala Phe Asn Thr Ile Ser Ala Trp Ala Leu  
 35 40 45

Gln Ser Gly Ala Leu Asp Ala Ser Arg Gln Val Phe Val Cys Gly Asn  
 50 55 60

Asp Ser Lys Ala Lys Gln Arg Val Met Asp Ile Val Arg Asn Leu Gly  
 65 70 75 80

Leu Thr Pro Met Asp Gln Gly Ser Leu Met Ala Ala Lys Glu Ile Glu  
 85 90 95

Lys Tyr Pro Leu Gln Leu Phe Pro Met Trp Arg Phe Pro Phe Tyr Leu  
 100 105 110

Ser Ala Val Leu Cys Val Phe Leu Phe Phe Tyr Cys Val Ile Arg Asp  
 115 120 125

Val Ile Tyr Pro Tyr Val Tyr Glu Lys Lys Asp Asn Thr Phe Arg Met  
 130 135 140

Ala Ile Ser Ile Pro Asn Arg Ile Phe Pro Ile Thr Ala Leu Thr Leu  
 145 150 155 160

Leu Ala Leu Val Tyr Ser Leu Val Leu Leu Pro Phe Tyr Asn Cys  
 165 170 175

Thr Glu Xaa Thr Lys Tyr Arg Arg Phe Pro Asp Trp Leu Asp His Trp  
 180 185 190

Met Leu Cys Arg Lys Gln Leu Gly Leu Val Ala Leu Gly Phe Ala Phe  
 195 200 205

Leu Xaa Val Leu Xaa Xaa Leu Val Ile Pro Ile Arg Tyr Tyr Val Arg  
 210 215 220

Xaa Arg Leu Gly Asn Leu Thr Val Thr Gln Xaa Ile Leu Lys Lys Glu  
 225 230 235 240

Asn Pro Phe Ser Thr Ser Ser Ala Trp Leu Ser Asp Ser Tyr Val Ala  
 245 250 255

Leu Gly Ile Leu Gly Phe Phe Leu Phe Val Leu Leu Gly Ile Thr Ser  
 260 265 270

Leu Pro Ser Val Ser Asn Ala Val Asn Trp Arg Glu Phe Arg Phe Val  
 275 280 285

Gln Ser Lys Leu Gly Tyr Leu Thr Leu Ile Leu Cys Thr Ala His Thr  
 290 295 300

Leu Val Tyr Gly Gly Lys Arg Phe Leu Ser Pro Ser Asn Leu Arg Trp  
 305 310 315 320

Tyr Leu Pro Ala Ala Tyr Val Leu Gly Leu Ile Ile Pro Cys Thr Val  
 325 330 335

Leu Val Ile Lys Phe Val Leu Ile Met Pro Cys Val Asp Asn Thr Leu  
 340 345 350

Thr Arg Ile Arg Arg Ala Gly Lys Gly Thr Gln Asn Thr Arg Lys Ser  
 355 360 365

Ile Glu Trp Lys Ile Asn Ile  
 370 375

<210> 163

<211> 10

<212> PRT

<213> Homo sapiens

<400> 163

Lys Lys Thr Asn Lys Thr Lys Thr Tyr Tyr  
 1 5 10

<210> 164

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 164

Arg Ala Pro Pro Ser Ser Val Tyr Gln Asn Gln Gln Ala Arg Ala Gln  
 1 5 10 15

Leu Xaa Asp Phe Cys  
 20

<210> 165

<211> 38

<212> PRT

<213> Homo sapiens

<400> 165  
 Thr Thr Cys Tyr Leu Asn Thr Tyr Met Phe Asn Ile Asn Thr Tyr Ile  
 1 5 10 15

Lys Phe Thr Cys Ile Leu Asn Thr Tyr Val Lys Tyr Ile Gln Cys Ile  
 20 25 30

Tyr Ile Cys Thr Gln Tyr  
 35

<210> 166

<211> 24

<212> PRT

<213> Homo sapiens

<400> 166

Cys Arg Asn Ser Ala Arg Ala Pro Ile Lys Asn Leu Asn Pro Leu Pro  
 1 5 10 15

Thr Gln Lys His Cys Val Phe Leu  
 20

<210> 167

<211> 17

<212> PRT

<213> Homo sapiens

<400> 167

Thr Arg Pro Lys Lys Glu Ala Gly Arg Ile Ser Thr Val Glu Leu Gln  
 1 5 10 15

Lys

<210> 168

<211> 13

<212> PRT

<213> Homo sapiens

<400> 168

His Glu Arg Arg His Glu Ala Ala Gly Pro Ala Ala Pro  
 1 5 10

<210> 169

<211> 153

<212> PRT

<213> Homo sapiens

<400> 169

Met Val Pro Asn Gln Arg Pro Glu Pro Cys Ala Leu Pro His Ser Ser  
 1 5 10 15

Lys Leu Pro Lys Ser Lys Pro Pro His Asp His Thr Ser Cys Gly His  
 20 25 30

Ser Leu Cys Pro Cys Ala Ser Arg Thr Glu Ala Pro Gly Arg Pro Trp

35

40

45

Gly Leu Leu Cys Arg Leu His Leu His Gly Arg Thr Glu His Ser Val  
 50 55 60

Cys Val Ala Gly Gln Gly Ser Asp Ser Ala Lys Ala Ala Ala His Pro  
 65 70 75 80

Ser Val Gln Gly Glu Trp Asn Pro His Ala Gly His Leu Pro Phe Leu  
 85 90 95

Pro Asp Pro Ser Leu Pro Leu His Val Leu Val Leu Trp Pro Pro Ala  
 100 105 110

Gly Thr Lys Pro Ala Pro Ser Thr Leu Gln His Pro Ile Leu Leu Gln  
 115 120 125

Arg Gly Gln Cys Leu Pro Arg Ser Ser Ser Asp Leu Leu Val Leu Ser  
 130 135 140

Ala Val Gln Glu Gly Ser Pro Ala Leu  
 145 150

<210> 170

<211> 21

<212> PRT

<213> Homo sapiens

<400> 170

Cys Ala Leu Pro His Ser Ser Lys Leu Pro Lys Ser Lys Pro Pro His  
 1 5 10 15

Asp His Thr Ser Cys  
 20

<210> 171

<211> 24

<212> PRT

<213> Homo sapiens

<400> 171

Glu Ala Pro Gly Arg Pro Trp Gly Leu Leu Cys Arg Leu His Leu His  
 1 5 10 15

Gly Arg Thr Glu His Ser Val Cys  
 20

<210> 172

<211> 25

<212> PRT

<213> Homo sapiens

<400> 172

Gln Gly Ser Asp Ser Ala Lys Ala Ala Ala His Pro Ser Val Gln Gly  
 1 5 10 15

Glu Trp Asn Pro His Ala Gly His Leu  
 20 25

<210> 173  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 173  
 Ala Pro Ser Thr Leu Gln His Pro Ile Leu Leu Gln Arg Gly Gln Cys  
 1 5 10 15  
 Leu Pro Arg Ser Ser Ser Asp Leu  
 20

<210> 174  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 174  
 Ser Val His Ala Val Leu Ala Thr Gly Ser Gly  
 1 5 10

<210> 175  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 175  
 Thr Arg Pro Val Ser Cys Leu Thr Ala Gly Val Leu Asn Pro Glu Leu  
 1 5 10 15

Gly Tyr Asp Ala Leu Leu Val Gly Thr Gln Thr Asn Leu Leu Ala Tyr  
 20 25 30

Asp Val Tyr Asn Asn Ser Asp Leu Phe Tyr Arg Glu Val Ala Asp Gly  
 35 40 45

Ala Asn Ala Ile Val Leu Gly Thr Leu Gly Asp Ile Ser Ser Pro Leu  
 50 55 60

Ala Ile Ile Gly Gly Asn Cys Ala Leu Gln Gly Phe Asn His Glu Gly  
 65 70 75 80

Ser Asp Leu Phe Trp Thr Val Thr Gly Asp Asn Val Asn Ser Leu Ala  
 85 90 95

Leu Cys Asp Phe Asp Gly Asp Gly Lys Lys Glu Leu Leu Val Gly Ser  
 100 105 110

Glu Asp Phe Asp Ile Arg Val Phe Lys Glu Asp Glu Ile Val Ala Glu  
 115 120 125

Met Thr Glu Thr Glu Ile Val Thr Ser Leu Cys Pro Met Tyr Gly Ser  
 130 135 140

Arg Phe Gly Tyr Ala Leu Ser Asn Gly Thr Val Gly Val Tyr Asp Lys  
 145 150 155 160

Thr Ser Arg Tyr Trp Arg Ile Lys Ser Lys Asn His Ala Met Ser Ile  
 165 170 175

His Val Phe Asp Leu Asn Ser Asp Gly Val Asn Glu Leu Ile Thr Gly  
 180 185 190

Trp Ser Asn Gly Lys Val Asp Ala Arg Ser Asp Arg Thr Gly Glu Val  
 195 200 205

Ile Phe Lys Asp Asn Phe Ser Ser Ala Ile Ala Gly Val Val Glu Gly  
 210 215 220

Asp Tyr Arg Met Asp Gly His Ile Gln Leu Ile Cys Cys Ser Val Asp  
 225 230 235 240

Gly Glu Ser Lys Leu Gly  
 245

<210> 176

<211> 52

<212> PRT

<213> Homo sapiens

<400> 176

Thr Arg Pro Val Ser Cys Leu Thr Ala Gly Val Leu Asn Pro Glu Leu  
 1 5 10 15

Gly Tyr Asp Ala Leu Leu Val Gly Thr Gln Thr Asn Leu Leu Ala Tyr  
 20 25 30

Asp Val Tyr Asn Asn Ser Asp Leu Phe Tyr Arg Glu Val Ala Asp Gly  
 35 40 45

Ala Asn Ala Ile  
 50

<210> 177

<211> 53

<212> PRT

<213> Homo sapiens

<400> 177

Val Leu Gly Thr Leu Gly Asp Ile Ser Ser Pro Leu Ala Ile Ile Gly  
 1 5 10 15

Gly Asn Cys Ala Leu Gln Gly Phe Asn His Glu Gly Ser Asp Leu Phe  
 20 25 30

Trp Thr Val Thr Gly Asp Asn Val Asn Ser Leu Ala Leu Cys Asp Phe  
 35 40 45

Asp Gly Asp Gly Lys  
 50

<210> 178

<211> 54

<212> PRT

<213> Homo sapiens

<400> 178  
 Lys Glu Leu Leu Val Gly Ser Glu Asp Phe Asp Ile Arg Val Phe Lys  
 1 5 10 15

Glu Asp Glu Ile Val Ala Glu Met Thr Glu Thr Glu Ile Val Thr Ser  
 20 25 30

Leu Cys Pro Met Tyr Gly Ser Arg Phe Gly Tyr Ala Leu Ser Asn Gly  
 35 40 45

Thr Val Gly Val Tyr Asp  
 50

<210> 179

<211> 37

<212> PRT

<213> Homo sapiens

<400> 179

Lys Thr Ser Arg Tyr Trp Arg Ile Lys Ser Lys Asn His Ala Met Ser  
 1 5 10 15

Ile His Val Phe Asp Leu Asn Ser Asp Gly Val Asn Glu Leu Ile Thr  
 20 25 30

Gly Trp Ser Asn Gly  
 35

<210> 180

<211> 50

<212> PRT

<213> Homo sapiens

<400> 180

Lys Val Asp Ala Arg Ser Asp Arg Thr Gly Glu Val Ile Phe Lys Asp  
 1 5 10 15

Asn Phe Ser Ser Ala Ile Ala Gly Val Val Glu Gly Asp Tyr Arg Met  
 20 25 30

Asp Gly His Ile Gln Leu Ile Cys Cys Ser Val Asp Gly Glu Ser Lys  
 35 40 45

Leu Gly  
 50

<210> 181

<211> 55

<212> PRT

<213> Homo sapiens

<400> 181

His Ala Ser Gly Arg Gly Ala Gly Gly Gly Gly Gly Gly Arg  
 1 5 10 15

Asp Pro Ala Gly Gln Val Gly Thr Ala Arg Ser Gly Cys Gly Arg Cys  
 20 25 30

Arg Ala Gly Leu Gly Pro Pro Glu Pro Pro Ala Ser Ser Pro Pro Ser  
 35 40 45

Val Gly Arg Met Cys Ala Arg  
 50 55

<210> 182  
 <211> 287  
 <212> PRT  
 <213> Homo sapiens

<400> 182  
 Thr Thr Ser Pro Ser Trp Ala Thr Ser Leu Leu Arg Gly Cys Gln Ala  
 1 5 10 15

Lys Gly Pro Thr Lys Ser Arg Leu Met Ser Ser Arg Gly Thr Glu Leu  
 20 25 30

Arg Thr Ala Ser Val Lys Leu Ala Lys Gly Ser Thr Ser Arg Glu Val  
 35 40 45

Pro Arg Met Ser Ser Arg Ser Ala Met Gly Lys Ser Thr Thr Cys Ser  
 50 55 60

Lys Asn Leu Trp Gly Ser Gly Ser Gln Arg Thr Gln Cys Arg Ala Ser  
 65 70 75 80

Gln Arg Arg Cys Arg Pro Gly Ser Gly Glu Pro Cys Leu Pro Ser Arg  
 85 90 95

Gln Pro Glu Cys Pro Pro Leu Gly Arg Val Phe Gly Arg Leu Cys Arg  
 100 105 110

Trp Gln Arg Gln Arg Phe His Glu Leu Gln Pro Ala Leu Arg Gln Gly  
 115 120 125

Cys Pro Thr Leu Lys Phe Lys Pro Lys Arg Ser Val Ala Ala Ala Ser  
 130 135 140

Glu Met Ser Thr Gln Gly Gln Glu His Asn Phe Trp Ala Trp Gln Asp  
 145 150 155 160

Ser Ser Leu Lys Pro Ile Asp Val Leu Arg Val Glu Pro Gln Lys Gln  
 165 170 175

Pro Leu Val Met Lys Gln Pro Glu Lys Val Val Ser Asp Val Gly Leu  
 180 185 190

Val Val Ser Arg Val Gln Leu Leu Gly Gln Ser Glu Lys Gly Leu Gly  
 195 200 205

Val Val Lys Glu Glu Trp Glu Phe Lys Asn Gly Leu Gly Val Arg Glu  
 210 215 220

Ile Val Leu Leu Glu Val Ala Val Gln Ala Thr Pro Arg Arg Ser Glu  
 225 230 235 240

Val Trp Asn Ala Thr Gly Cys Ala Asp Ala Gly Pro His His Asp His  
 245 250 255

His Pro Leu Ala Gly Ser Gly Pro Asn Gln Leu Ser Tyr Ile Leu Gln  
 260 265 270

Gly Lys Leu Pro Leu Val Thr Ala Ala Ser Thr Ser Asn Asn Thr  
 275 280 285

<210> 183  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 183  
 Leu Leu Arg Gly Cys Gln Ala Lys Gly Pro Thr Lys Ser Arg Leu Met  
 1 5 10 15

Ser Ser Arg Gly Thr Glu Leu Arg Thr Ala  
 20 25

<210> 184  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 184  
 Met Gly Lys Ser Thr Thr Cys Ser Lys Asn Leu Trp Gly Ser Gly Ser  
 1 5 10 15

Gln Arg Thr Gln Cys Arg Ala  
 20

<210> 185  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 185  
 Gly Ser Gly Glu Pro Cys Leu Pro Ser Arg Gln Pro Glu Cys Pro Pro  
 1 5 10 15

Leu Gly Arg Val Phe Gly Arg Leu Cys Arg  
 20 25

<210> 186  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 186  
 Pro Thr Leu Lys Phe Lys Pro Lys Arg Ser Val Ala Ala Ala Ser Glu  
 1 5 10 15

Met Ser Thr Gln Gly Gln Glu His  
 20

<210> 187

<211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 187  
 Trp Gln Asp Ser Ser Leu Lys Pro Ile Asp Val Leu Arg Val Glu Pro  
 1 5 10 15  
 Gln Lys Gln Pro Leu Val Met Lys Gln Pro  
 20 25

<210> 188  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 188  
 Val Ala Val Gln Ala Thr Pro Arg Arg Ser Glu Val Trp Asn Ala Thr  
 1 5 10 15  
 Gly Cys Ala Asp Ala Gly Pro  
 20

<210> 189  
 <211> 223  
 <212> PRT  
 <213> Homo sapiens

<400> 189  
 Asp Trp Leu Leu Ser Val Ser Phe Ala Ala Val Phe Phe Ser Val Ser  
 1 5 10 15  
 Ile Lys Gly Gly Arg Arg Ser Ile Ser Phe Ser Val Gly Ala Ser Ser  
 20 25 30

Val Val Gly Ser Gly Gly Ser Ser Asp Lys Gly Lys Leu Ser Leu Gln  
 35 40 45

Asp Val Ala Glu Leu Ile Arg Ala Arg Ala Cys Gln Arg Val Val Val  
 50 55 60

Met Val Gly Ala Gly Ile Ser Thr Pro Ser Gly Ile Pro Asp Phe Arg  
 65 70 75 80

Ser Pro Gly Ser Gly Leu Tyr Ser Asn Leu Gln Gln Tyr Asp Leu Pro  
 85 90 95

Tyr Pro Glu Ala Ile Phe Glu Leu Pro Phe Phe His Asn Pro Lys  
 100 105 110

Pro Phe Phe Thr Leu Ala Lys Glu Leu Tyr Pro Gly Asn Tyr Lys Pro  
 115 120 125

Asn Val Thr His Tyr Phe Leu Arg Leu Leu His Asp Lys Gly Leu Leu  
 130 135 140

Leu Arg Leu Tyr Thr Gln Asn Ile Asp Gly Leu Glu Arg Gly Val Leu  
 145 150 155 160

Pro Ser Pro Glu Val Val Leu Leu Ala Leu Arg Ala His Leu Gly Gly  
 165 170 175

Gly Ser Asn Thr Ser Leu Trp Leu Glu Phe Gln Cys Arg Ala Ser Leu  
 180 185 190

Pro Gln Ser Trp Leu Lys Leu Met Glu Pro Leu Pro Leu Pro Ala  
 195 200 205

Gln Ser Ala Lys Asp Pro Ser Gln Gly Arg Thr Phe Gly Leu Thr  
 210 215 220

<210> 190

<211> 22

<212> PRT

<213> Homo sapiens

<400> 190

Gly Gly Arg Arg Ser Ile Ser Phe Ser Val Gly Ala Ser Ser Val Val  
 1 5 10 15

Gly Ser Gly Gly Ser Ser  
 20

<210> 191

<211> 23

<212> PRT

<213> Homo sapiens

<400> 191

Lys Leu Ser Leu Gln Asp Val Ala Glu Leu Ile Arg Ala Arg Ala Cys  
 1 5 10 15

Gln Arg Val Val Val Met Val  
 20

<210> 192

<211> 24

<212> PRT

<213> Homo sapiens

<400> 192

Tyr Ser Asn Leu Gln Gln Tyr Asp Leu Pro Tyr Pro Glu Ala Ile Phe  
 1 5 10 15

Glu Leu Pro Phe Phe Phe His Asn  
 20

<210> 193

<211> 24

<212> PRT

<213> Homo sapiens

<400> 193

Leu Tyr Pro Gly Asn Tyr Lys Pro Asn Val Thr His Tyr Phe Leu Arg  
 1 5 10 15

Leu Leu His Asp Lys Gly Leu Leu  
20

<210> 194  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 194  
Leu Pro Ser Pro Glu Val Val Leu Leu Ala Leu Arg Ala His Leu Gly  
1 5 10 15

Gly Gly Ser Asn Thr Ser Leu Trp Leu Glu Phe  
20 25

<210> 195  
<211> 128  
<212> PRT  
<213> Homo sapiens

<400> 195  
Arg Asp Gly Arg Gln Gly Ser Pro Leu Pro Gly Leu His Arg Arg Cys  
1 5 10 15

Glu Ala Arg His Cys Val Leu Trp Glu Pro Leu Pro Gln Arg Phe Leu  
20 25 30

Leu His Val Val Asp Phe Pro Met Ala Asp Leu Leu Leu Ile Leu Gly  
35 40 45

Thr Ser Leu Glu Val Glu Pro Phe Ala Ser Leu Thr Glu Ala Val Arg  
50 55 60

Ser Ser Val Pro Arg Leu Leu Ile Asn Arg Asp Leu Val Gly Pro Leu  
65 70 75 80

Ala Trp His Pro Arg Ser Arg Asp Val Ala Gln Leu Gly Asp Val Val  
85 90 95

His Gly Val Glu Ser Leu Val Glu Leu Leu Gly Trp Thr Glu Glu Met  
100 105 110

Arg Asp Leu Val Gln Arg Glu Thr Gly Lys Leu Asp Gly Pro Asp Lys  
115 120 125

<210> 196  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 196  
Leu Pro Gly Leu His Arg Arg Cys Glu Ala Arg His Cys Val Leu Trp  
1 5 10 15

Glu Pro Leu Pro Gln Arg Phe Leu

20

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<210> 198
<211> 22
<212> PRT
<213> Homo sapiens

<400> 198
Leu Val Gly Pro Leu Ala Trp His Pro Arg Ser Arg Asp Val Ala Gln
   1           5           10          15

Leu Gly Asp Val Val His
   20

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<210> 199  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 199  
 Val Glu Ser Leu Val Glu Leu Leu Gly Trp Thr Glu Glu Met Arg Asp  
 1 . . . . . 5 . . . . . 10 . . . . . 15  
  
 Leu Val Gln Arg Glu Thr Gly  
 20

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<210> 200
<211> 96
<212> PRT
<213> Homo sapiens

<400> 200
Ile Ser Val Ser Gly Ile Pro Ala Ser Lys Leu Val Glu Ala His Gly
 1           5           10          15

Thr Phe Ala Ser Ala Thr Cys Thr Val Cys Gln Arg Pro Phe Pro Gly
 20          25          30

Glu Asp Ile Arg Ala Asp Val Met Ala Asp Arg Val Pro Arg Cys Pro
 35          40          45

Val Cys Thr Gly Val Val Lys Pro Asp Ile Val Phe Phe Gly Ser Arg
 50          55          60

Cys Pro Arg Gly Ser Cys Cys Met Trp Leu Ile Ser Pro Trp Gln Ile

```

65

70

75

80

Cys Cys Ser Ser Leu Gly Pro Pro Trp Arg Trp Ser Leu Leu Pro Ala  
 85 90 95

&lt;210&gt; 201

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

Glu Ala His Gly Thr Phe Ala Ser Ala Thr Cys Thr Val Cys Gln Arg  
 1 5 10 15

Pro Phe Pro Gly Glu Asp Ile Arg Ala Asp Val Met Ala Asp Arg Val  
 20 25 30

Pro

&lt;210&gt; 202

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 202

Phe Phe Gly Ser Arg Cys Pro Arg Gly Ser Cys Cys Met Trp Leu Ile  
 1 5 10 15

Ser Pro Trp Gln Ile Cys Cys Ser Ser Leu Gly  
 20 25

&lt;210&gt; 203

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 203

Thr Arg Pro Leu Ser Pro Thr Phe Ser Lys Leu Trp Ala Ala Gly Val  
 1 5 10 15

Thr Val Cys Thr Asp Phe Ser Met Cys Val Cys Gly Cys Met Tyr Glu  
 20 25 30

Cys Val Cys Val Phe Val Cys Leu Cys Ile Tyr Arg Gly Met Arg Val  
 35 40 45

Pro Trp Val Cys Thr Leu Asp Ile Pro Leu Tyr Ile Leu Cys Val Leu  
 50 55 60

Thr Trp Thr His Ser Val Tyr Leu Tyr Cys Val Tyr Thr His Val Gln  
 65 70 75 80

Pro Ile Cys Pro Tyr Ile Gly Val Cys Val Tyr Tyr Val Cys Thr Leu  
 85 90 95

Ser Thr Tyr Gly Cys Val Cys Val Pro Leu Ser Pro Tyr Leu Gly Glu  
 100 105 110

Arg Glu Asn Val Cys Val Cys Val Ser Met Tyr Gly Cys Val Asp Ile  
 115 120 125

Leu Cys Leu Tyr Leu Glu Cys Arg Tyr Met Asp Val His Val Leu Cys  
 130 135 140

Val Cys Val Arg Thr His Thr Leu Pro Leu Cys Val Cys Ala Cys Val  
 145 150 155 160

Tyr Leu Val Cys Pro Cys Ile Gly Gly Val Cys Thr Leu Leu Val Tyr  
 165 170 175

Val Trp Gly Ser Thr Cys Ser Leu  
 180

<210> 204

<211> 55

<212> PRT

<213> Homo sapiens

<400> 204

Ala Ser Leu Ile Phe Ser Ser Pro Leu Ser Pro Leu Leu Thr Ser Pro  
 1 5 10 15

Ser Ser Ser Ile Cys Ser Val Arg Pro Leu Gly Ile Val Met Ile Thr  
 20 25 30

Cys Phe His Ser Arg Cys His Leu Lys Gln Arg Pro Ala Ser Pro Asn  
 35 40 45

Gly Val Phe Gln Gln Arg Ala  
 50 55

<210> 205

<211> 43

<212> PRT

<213> Homo sapiens

<400> 205

Ala His Leu Ser Pro Thr Ala Ala Leu His Val Ala Gln Gly Glu Ser  
 1 5 10 15

Leu Ser Thr Asp Val Glu Cys Arg Val Pro Gly Leu Met Leu Thr Leu  
 20 25 30

Leu Leu Ala Val His Gln Gln Ile Leu Val Gly  
 35 40

<210> 206

<211> 42

<212> PRT

<213> Homo sapiens

<400> 206

Leu Pro Val Gln Val Gly Trp Ser Leu Cys Asn Thr Asp Gly Pro Lys  
 1 5 10 15

Leu Leu Cys Gly Arg Gln Gly Leu Met Leu Leu Thr Gly His His Cys  
 20 25 30

Gln Ala Ser Lys His Lys Ser Gln Gly Leu  
 35 40

<210> 207

<211> 140

<212> PRT

<213> Homo sapiens

<400> 207

Ala Ser Leu Ile Phe Ser Ser Pro Leu Ser Pro Leu Leu Thr Ser Pro  
 1 5 10 15

Ser Ser Ser Ile Cys Ser Val Arg Pro Leu Gly Ile Val Met Ile Thr  
 20 25 30

Cys Phe His Ser Arg Cys His Leu Lys Gln Arg Pro Ala Ser Pro Asn  
 35 40 45

Gly Val Phe Gln Gln Arg Ala Ala His Leu Ser Pro Thr Ala Ala Leu  
 50 55 60

His Val Ala Gln Gly Glu Ser Leu Ser Thr Asp Val Glu Cys Arg Val  
 65 70 75 80

Pro Gly Leu Met Leu Thr Leu Leu Ala Val His Gln Gln Ile Leu  
 85 90 95

Val Gly Leu Pro Val Gln Val Gly Trp Ser Leu Cys Asn Thr Asp Gly  
 100 105 110

Pro Lys Leu Leu Cys Gly Arg Gln Gly Leu Met Leu Leu Thr Gly His  
 115 120 125

His Cys Gln Ala Ser Lys His Lys Ser Gln Gly Leu  
 130 135 140

<210> 208

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 208

Val Glu Ala Glu Trp Leu Gln Asp Val Gly Leu Ser Thr Leu Ile Ser

1	5	10	15
Gly Asp Glu Glu Glu Asp Gly Lys Ala Leu Leu Ser Thr Leu Thr Arg			
20	25	30	
Thr Gln Ala Ala Ala Val Gln Lys Arg Tyr His Thr Tyr Thr Gln Thr			
35	40	45	
Met Arg Lys Lys Asp Lys Gln Ser Ile Arg Asp Val Arg Asp Ile Phe			
50	55	60	
Gly Val Ser Glu Ser Pro Pro Arg Asp Thr Cys Gly Asn His Thr Asn			
65	70	75	80
Gln Leu Asp Gly Thr Lys Glu Glu Arg Glu Leu Pro Arg Val Ile Lys			
85	90	95	
Thr Ser Gly Ser Met Pro Asp Asp Ala Ser Leu Asn Ser Thr Thr Leu			
100	105	110	
Ser Asp Ala Ser Gln Asp Lys Glu Gly Ser Phe Ala Val Pro Arg Ser			
115	120	125	
Asp Ser Val Ala Ile Leu Glu Thr Ile Pro Val Leu Pro Val His Ser			
130	135	140	
Asn Gly Ser Pro Glu Pro Gly Gln Pro Val Gln Asn Ala Ile Ser Asp			
145	150	155	160
Asp Asp Phe Leu Glu Lys Asn Ile Xaa Pro Glu Ala Glu Glu Leu Ser			
165	170	175	
Phe Glu Val Ser Tyr Ser Glu Met Val Thr Glu Ala Leu Lys Arg Asn			
180	185	190	
Lys Leu Lys Lys Ser Glu Ile Lys Lys Glu Asp Tyr Val Leu Thr Lys			
195	200	205	
Phe Asn Xaa Gln Lys Thr Arg Phe Gly Leu Thr			
210	215		
<210> 209			
<211> 50			
<212> PRT			
<213> Homo sapiens			
<400> 209			
Val Glu Ala Glu Trp Leu Gln Asp Val Gly Leu Ser Thr Leu Ile Ser			
1	5	10	15
Gly Asp Glu Glu Glu Asp Gly Lys Ala Leu Leu Ser Thr Leu Thr Arg			
20	25	30	
Thr Gln Ala Ala Ala Val Gln Lys Arg Tyr His Thr Tyr Thr Gln Thr			
35	40	45	
Met Arg			
50			

<210> 210  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 210  
 Lys Lys Asp Lys Gln Ser Ile Arg Asp Val Arg Asp Ile Phe Gly Val  
 1 5 10 15

Ser Glu Ser Pro Pro Arg Asp Thr Cys Gly Asn His Thr Asn Gln Leu  
 20 25 30

Asp Gly Thr Lys Glu Glu Arg Glu Leu Pro Arg Val Ile Lys Thr Ser  
 35 40 45

Gly Ser Met Pro Asp Asp  
 50

<210> 211  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 211  
 Ala Ser Leu Asn Ser Thr Thr Leu Ser Asp Ala Ser Gln Asp Lys Glu  
 1 5 10 15

Gly Ser Phe Ala Val Pro Arg Ser Asp Ser Val Ala Ile Leu Glu Thr  
 20 25 30

Ile Pro Val Leu Pro Val His Ser Asn Gly Ser Pro Glu Pro Gly Gln  
 35 40 45

Pro Val Gln Asn  
 50

<210> 212  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 212  
 Ala Ile Ser Asp Asp Asp Phe Leu Glu Lys Asn Ile Xaa Pro Glu Ala  
 1 5 10 15

Glu Glu Leu Ser Phe Glu Val Ser Tyr Ser Glu Met Val Thr Glu Ala  
 20 25 30

Leu Lys Arg Asn Lys Leu Lys Lys Ser Glu Ile Lys Lys Glu Asp Tyr

35

40

45

Val Leu Thr Lys Phe Asn Xaa Gln Lys Thr Arg Phe Gly Leu Thr  
 50 55 60

<210> 213  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 213  
 Leu Ala Gln Thr Val Thr Asp Met Pro Leu Thr Gly Thr Asn His Asp  
 1 5 10 15

Arg Gln Gly His Leu Leu Arg Ser Gly Thr Thr Tyr Tyr Leu Leu Ala  
 20 25 30

<210> 214  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 214  
 Leu Ser Phe Leu Glu Leu Asp Ser Glu Cys Ser  
 1 5 10

<210> 215  
 <211> 83  
 <212> PRT  
 <213> Homo sapiens

<400> 215  
 Trp Trp Ser Leu Glu Thr Arg Met Arg Thr Ala Arg Val Pro Met Arg  
 1 5 10 15

Pro Ser Trp Thr Arg Thr Pro Ser Phe Ala Arg Ala Leu Lys Phe Ser  
 20 25 30

Thr Gln Ser Trp Gly Thr Leu Ala Ala Arg Leu Phe Leu Ile Val Thr  
 35 40 45

Thr Thr Asp Arg Arg Ser Pro Pro Gly Trp Lys Pro Ile Val Lys Phe  
 50 55 60

Pro Gly Ala Val Asp Gly Ala Thr Tyr Asn Pro Gly Asp Gly Gly Ser  
 65 70 75 80

Arg Cys Pro

<210> 216  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 216

Met	Arg	Thr	Ala	Arg	Val	Pro	Met	Arg	Pro	Ser	Trp	Thr	Arg	Thr	Pro
1							10							15	

Ser	Phe	Ala	Arg
		20	

&lt;210&gt; 217

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 217

Pro	Gly	Trp	Lys	Pro	Ile	Val	Lys	Phe	Pro	Gly	Ala	Val	Asp	Gly	Ala
1					5				10				15		

Thr	Tyr	Asn	Pro	Gly
		20		

&lt;210&gt; 218

&lt;211&gt; 149

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 218

Ser	Ser	Ser	Arg	Gly	Pro	Trp	Thr	Ala	Gln	Pro	Ile	Ile	Leu	Val	Met
1					5			10					15		

Val	Asp	Pro	Asp	Ala	Pro	Ser	Arg	Ala	Glu	Pro	Arg	Gln	Arg	Phe	Trp
				20				25				30			

Arg	His	Trp	Leu	Val	Thr	Asp	Ile	Lys	Gly	Ala	Asp	Leu	Lys	Lys	Gly
						35	40					45			

Lys	Ile	Gln	Gly	Gln	Glu	Leu	Ser	Ala	Tyr	Gln	Ala	Pro	Ser	Pro	Pro
					50		55					60			

Ala	His	Ser	Gly	Phe	His	Arg	Tyr	Gln	Phe	Phe	Val	Tyr	Leu	Gln	Glu
65					70			75				80			

Gly	Lys	Val	Ile	Ser	Leu	Leu	Pro	Lys	Glu	Asn	Lys	Thr	Arg	Gly	Ser
					85			90				95			

Trp	Lys	Met	Asp	Arg	Phe	Leu	Asn	Arg	Phe	His	Leu	Gly	Glu	Pro	Glu
					100			105			110				

Ala	Ser	Thr	Gln	Phe	Met	Thr	Gln	Asn	Tyr	Gln	Asp	Ser	Pro	Thr	Leu
					115		120					125			

Gln	Ala	Pro	Arg	Glu	Arg	Ala	Ser	Glu	Pro	Lys	His	Lys	Asn	Gln	Ala
						130	135				140				

Glu	Ile	Ala	Ala	Cys
		145		

&lt;210&gt; 219

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 219

Pro Ile Ile Leu Val Met Val Asp Pro Asp Ala Pro Ser Arg Ala Glu  
1                   5   10   15Pro Arg Gln Arg Phe Trp Arg His  
20

&lt;210&gt; 220

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

Lys Ile Gln Gly Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro  
1                   5   10   15Ala His Ser Gly Phe His Arg  
20

&lt;210&gt; 221

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 221

Ile Ser Leu Leu Pro Lys Glu Asn Lys Thr Arg Gly Ser Trp Lys Met  
1                   5   10   15Asp Arg Phe Leu  
20

&lt;210&gt; 222

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 222

Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro Ala His Ser Gly  
1                   5   10   15

Phe

&lt;210&gt; 223

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 223

Pro Glu Val Pro Met Gly Trp Thr  
1                   5

&lt;210&gt; 224

<211> 86  
 <212> PRT  
 <213> Homo sapiens

<400> 224  
 Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu Met Met Val Val  
 1 5 10 15

Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His Glu Ala Leu Leu  
 20 25 30

Asp Glu Asp Thr Leu Phe Cys Gln Gly Leu Glu Val Phe Tyr Pro Glu  
 35 40 45

Leu Gly Asn Ile Gly Cys Lys Val Val Pro Asp Cys Asn Asn Tyr Arg  
 50 55 60

Gln Lys Ile Thr Ser Trp Met Glu Ala Asp Ser Gln Val Pro Gly Gly  
 65 70 75 80

Arg Gly Arg Arg Asn Leu  
 85

<210> 225  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<400> 225  
 Pro Ile Leu Trp Gly Asn Arg Val Pro Met Glu Pro Gln Lys Cys His  
 1 5 10 15

Pro Ala Gly Trp His Gly Leu Gly Gln Glu Ala Glu Ala Gly Asp Gln  
 20 25 30

Asp Gly Arg Trp Arg Pro Gly Leu Pro Gln Arg Lys Arg Pro Pro Ala  
 35 40 45

Gly Ala Gly Gln Ala Trp Leu Ser Cys His Arg His Met Val Glu Arg  
 50 55 60

Gly Val Pro Cys Pro Pro Trp Gly Gly Thr Arg Ala Leu Val Tyr  
 65 70 75 80

Ser Asp Ala Gly

<210> 226  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 226  
 Pro Met Glu Pro Gln Lys Cys His Pro Ala Gly Trp His Gly Leu Gly  
 1 5 10 15

Gln Glu Ala Glu Ala Gly Asp Gln Asp Gly  
 20 25

<210> 227  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 227  
 Ala Gly Ala Gly Gln Ala Trp Leu Ser Cys His Arg His Met Val Glu  
 1 5 10 15  
 Arg Gly Val Pro Cys Pro Pro Trp Gly Gly Gly Thr  
 20 25

<210> 228  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 228  
 Ser Pro Xaa Thr His Val Gln Gly Gln Thr Gly Met Tyr Val Ile Trp  
 1 5 10 15

Gly Leu Gly Gly Leu Pro Arg Gly His Pro Pro Leu Leu Gly Pro  
 20 25 30

Pro Trp Pro Asp Pro Phe Cys Gly Glu Thr Gly Cys Pro Trp Ser Leu  
 35 40 45

Arg Asn Ala Thr Arg Leu Val Gly Met Ala Trp Gly Arg Arg Gln Arg  
 50 55 60

Gln Glu Thr Lys Met Ala Gly Gly Gln Ala Tyr His Asn Gly Arg  
 65 70 75 80

Asp Leu Pro Leu Gly Pro Gly Arg Pro Gly Ser Ala Ala Thr Gly Ile  
 85 90 95

Trp Trp Arg Gly Gly Tyr Pro Ala His Leu Gly Val Val Ala Pro Glu  
 100 105 110

Leu Leu Ser Ile Gln Thr Leu Val Trp Gly Leu Gly Pro Leu Thr Gly  
 115 120 125

Asp Arg Ala Ser Val Gly Glu Phe  
 130 135

<210> 229  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 229  
 Trp Gly Leu Gly Gly Leu Pro Arg Gly His Pro Pro Leu Leu Gly  
 1 5 10 15

Pro Pro Trp Pro Asp Pro Phe Cys Gly  
20 25

<210> 230  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 230  
Gln Arg Gln Glu Thr Lys Met Ala Gly Gly Gly Gln Ala Tyr His Asn  
1 5 10 15

Gly Arg Asp Leu Pro Leu Gly Pro Gly Arg  
20 25

<210> 231  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 231  
His Leu Gly Val Val Ala Pro Glu Leu Leu Ser Ile Gln Thr Leu Val  
1 5 10 15

Trp Gly Leu Gly  
20